WOODINGS VERONA TOOL WORKS

▼

SINCE · 1873

VERONA · PENNSYLVANIA

Catalogue 16

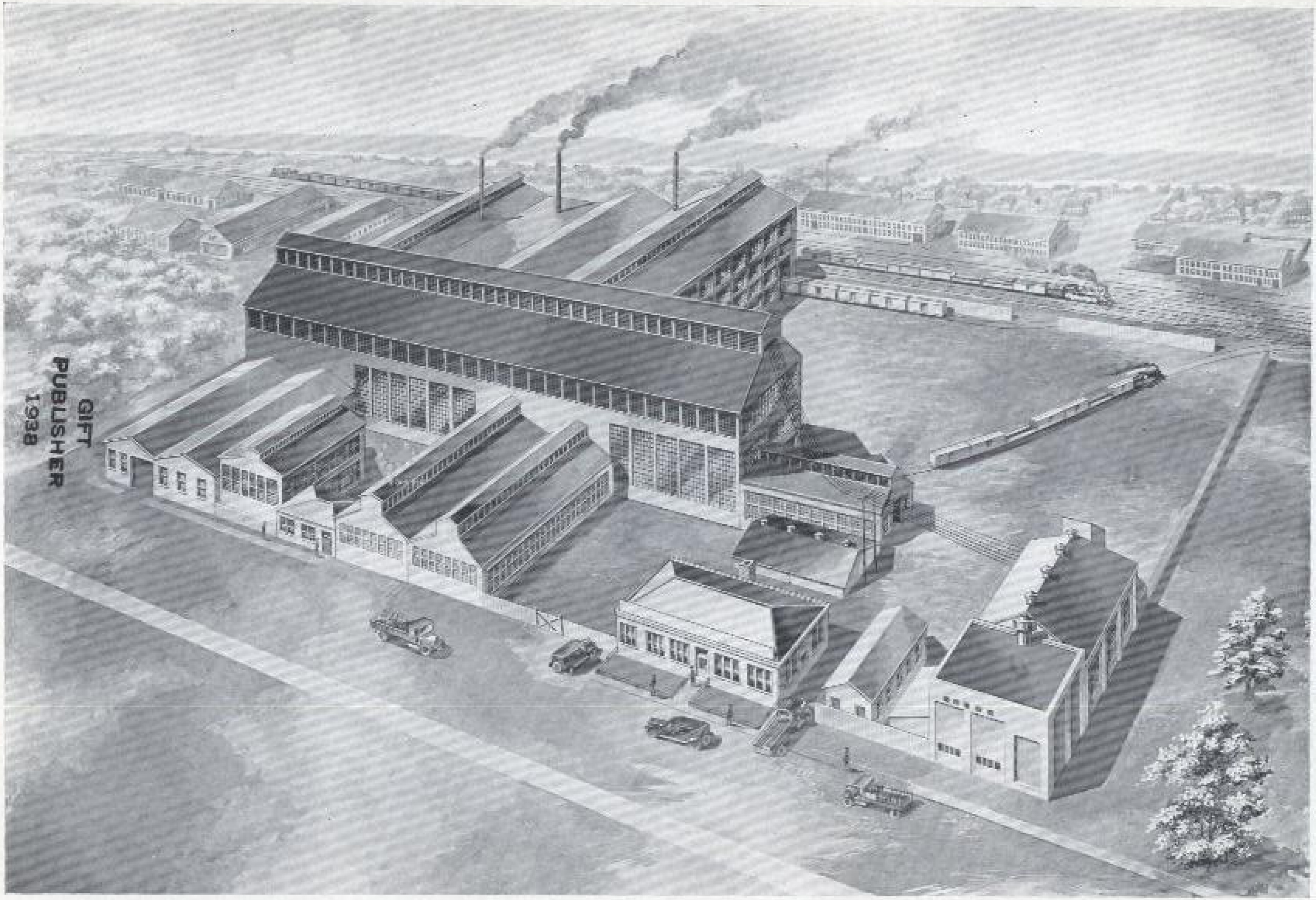
Woodings-Verona Tool Works

Verona, Pa., U. S. A.

Established 1873

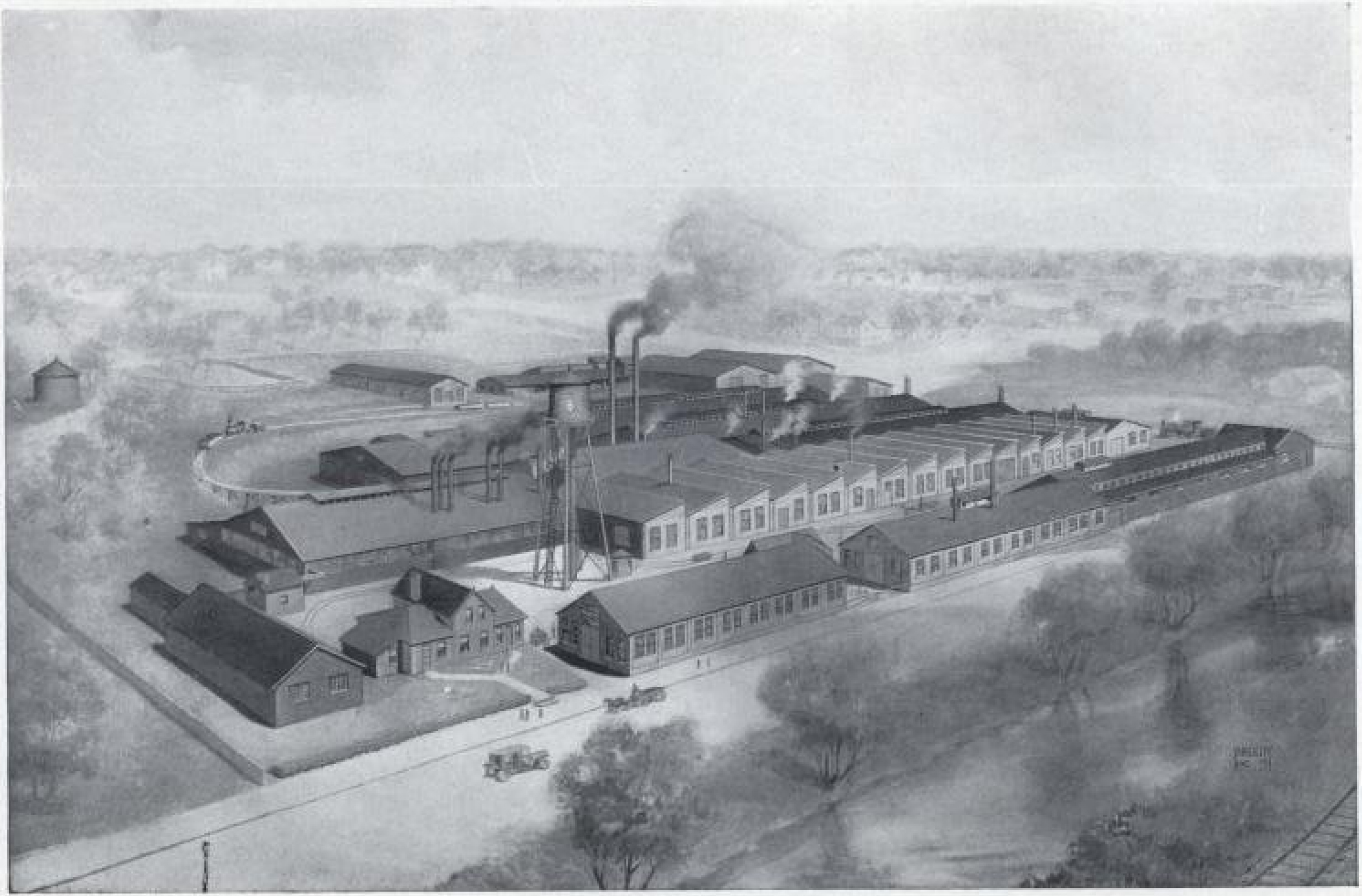
SALES OFFICES—

ALL PRINCIPAL CITIES



GIFT
PUBLISHER
1938

Woodings-Verona Tool Works, Verona, Penna.—Plant No. 1



Woodings-Verona Tool Works, Verona, Penna.—Plant No. 2

Verona Rail Joint Springs

THE RAIL JOINT is the weakest portion of Track Structure. Unless properly maintained, the Rail Joint pumps, which causes rails to batter, distorts angle bars, destroys ties, causes heavy labor expenditure on the balance of the Track Structure and, in general, shortens the life of rail in track.

VERONA RAIL JOINT SPRINGS are distinguished by their high compressive capacity and their high reactive pressure through a wide range. The reaction of these Springs from 20,000 lbs. to 10,000 lbs. bolt tension is far superior to any device on the market. This superior reaction keeps the bolts tight and the angle bars in proper position, with plenty of reserved capacity, insuring adequate service over a long period of years, and prevents the rail joint from causing above mentioned conditions.

VERONA RAIL JOINT SPRINGS when properly applied, that is, the curves over the bolt holes pulled down to 1/8" from being flat, will have a bolt tension of 20,000 lbs. This uniform pressure on each bolt in the Joint will permit free expansion and contraction of rail, which prevents the possibility of track buckling and stops the chipping of rail ends.

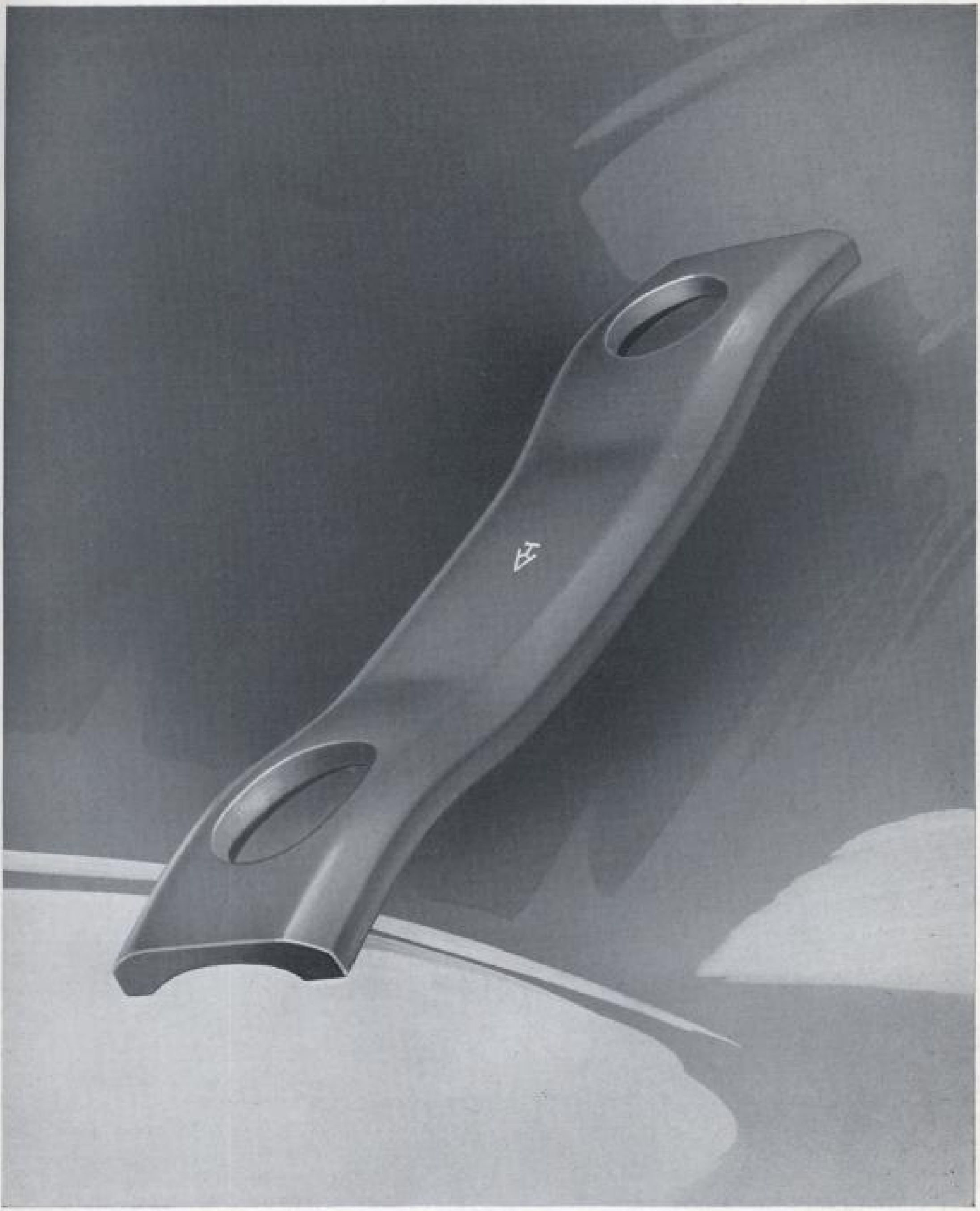
VERONA RAIL JOINT SPRINGS are not flat when properly applied, making them a shock absorber capable of compensating for movement of bars due to rolling load and lateral thrust.

VERONA RAIL JOINT SPRINGS are the only rail joint tightening device with which it is possible to positively govern pressure as the opening between the face of the angle bar and the under side of the Rail Joint Spring is a true index of the pressure on the bolt. It indicates to the trackman, when to stop wrenching. This is not possible with any type of helical spring washer as a trackman will pull down on a bolt equipped with a nutlock until he can pull no more, resulting in unknown and non-uniform pressure being applied to the bolts in the Rail Joint.

VERONA RAIL JOINT SPRINGS can be readily Salvaged in that there is practically no loss in reactive quality through years of service and they can be used with the same bars, bolts and rail when they are removed from main line to secondary track, and their efficiency will be the same as when originally applied. Due to the size of VERONA RAIL JOINT SPRINGS they will not become lost in ballast when the rail is uncoupled.

VERONA RAIL JOINT SPRINGS are cheaper than nutlocks when labor saving and the lengthening of track life of rail is considered.

When ordering VERONA RAIL JOINT SPRINGS please furnish angle bar blue print.



VERONA RAIL JOINT SPRING
(*Patented*)

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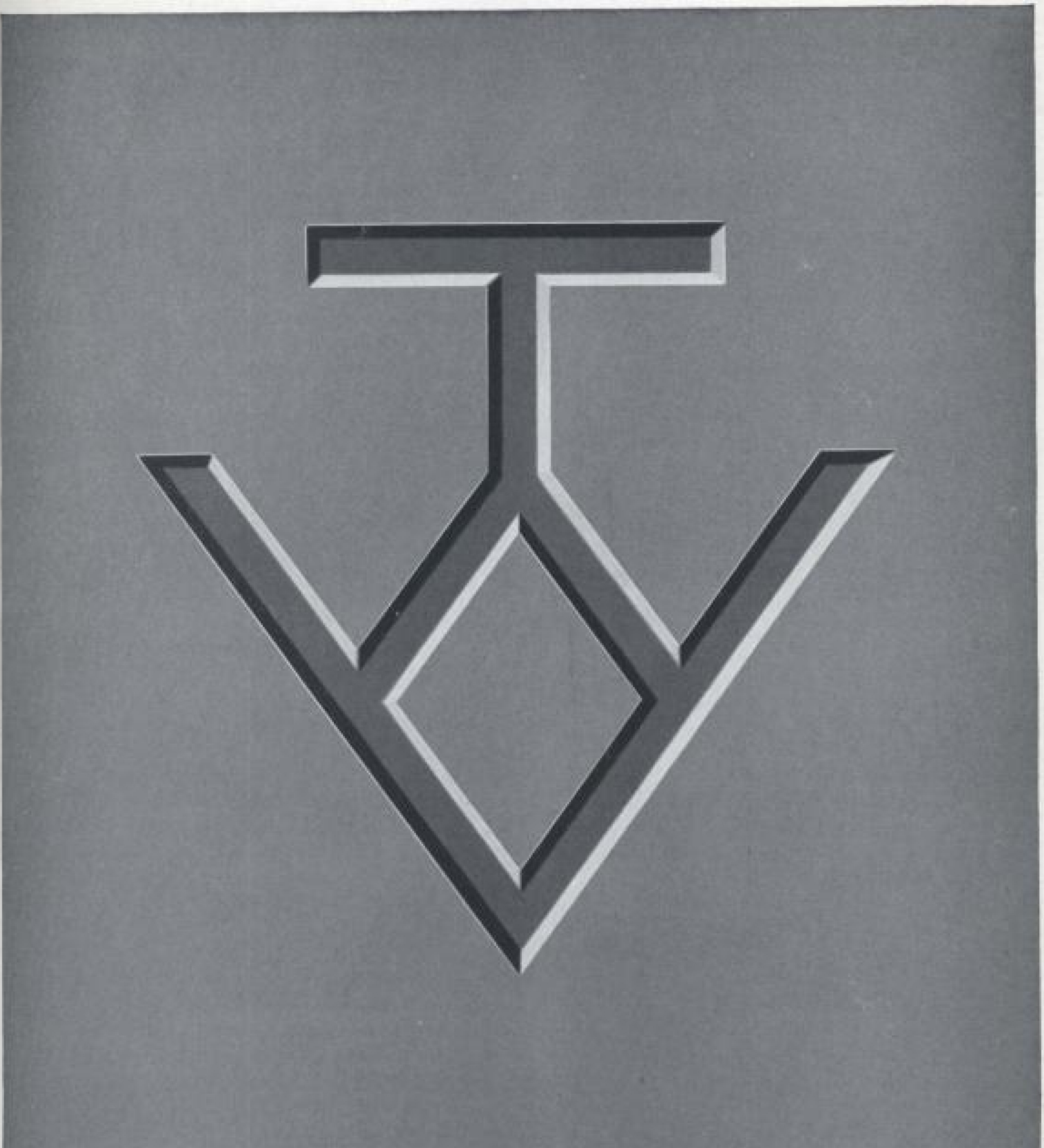


THE VERONA TRADEMARK

An Assurance of Highest Quality

Verona Nut Locks

THE steel used in the manufacture of VERONA NUT LOCKS is made to a special formula.

Each heat is analyzed in our laboratory before the steel is used.

Uniformity in the heat treatment and tempering of VERONA NUT LOCKS assures their high quality.

Every nut lock must stand a full compression test, in automatic testing machines, before shipment. The purchaser is thereby guaranteed that only first grade, high quality nut locks are shipped.

VERONA NUT LOCKS are made in the following styles:

No. 1. Regular pattern. Made in sizes for ⅛-inch to 2 inch bolts.

No. 2. Tail pattern. Made in sizes for ¾-inch to 1¼-inch bolts.

No. 3. Medium wide—¼-inch wide x ⅜-inch thick steel section. Made in sizes for ¾-inch to 1¼-inch bolts.

No. 5. Broad or parallel pattern—⅜-inch wide ¼-inch thick steel section. Made in sizes for ¾inch to 2-inch bolts.

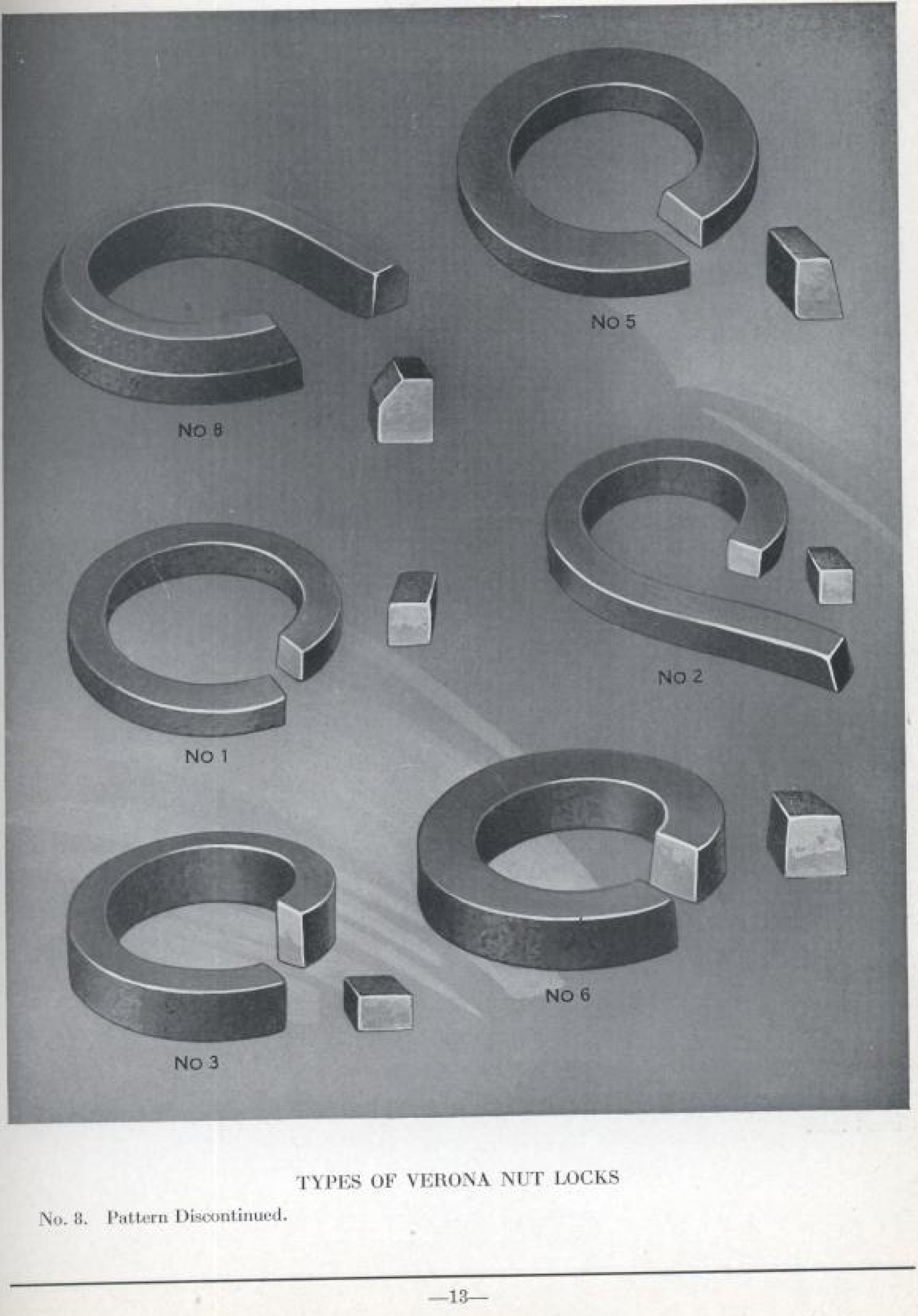
No. 6. ⅜-inch square steel section. High tension. Made in sizes for ¾-inch bolts and up.

All Nut Locks tempered in oil and tested separately.

When ordering nut locks please specify outside diameter of bolt thread line and pattern or type of Nut Lock desired.

Width of Nut Lock is measurement at right angles to axis of bolt.

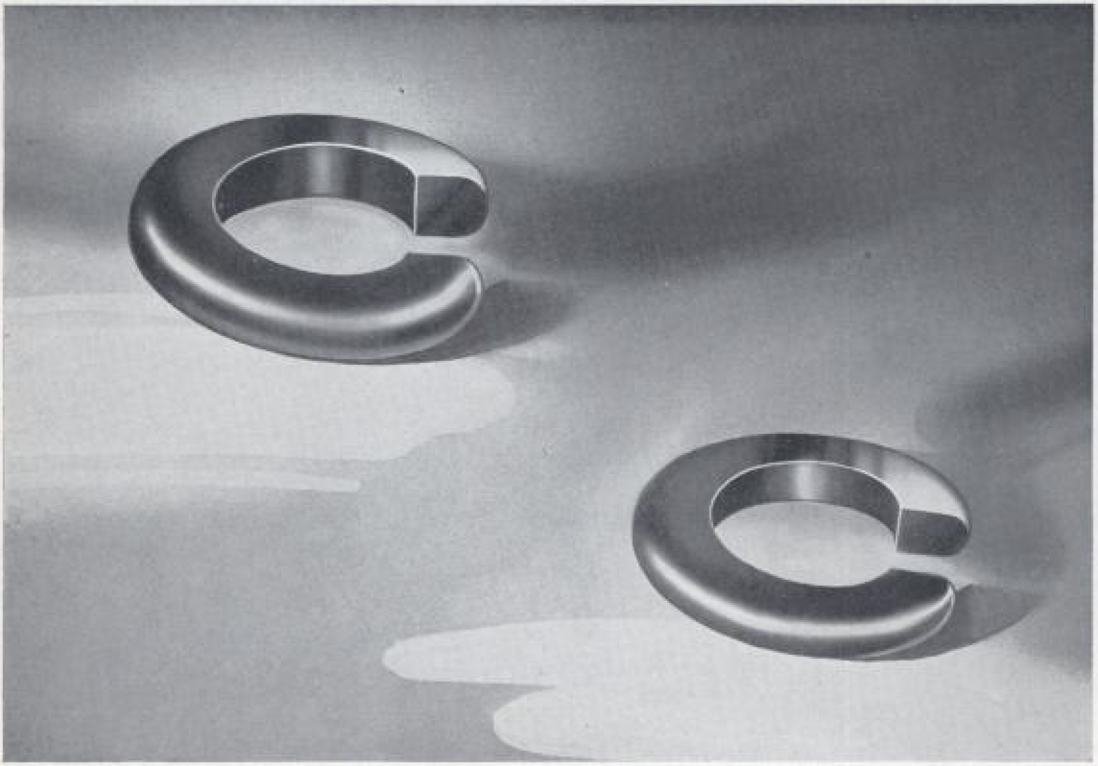
Thickness of Nut Lock is measurement parallel to axis of bolt.



TYPES OF VERONA NUT LOCKS

No. 8. Pattern Discontinued.

Verona "Special" Alloy Nutlocks



VERONA SPECIAL ALLOY NUTLOCKS are produced from Veronalloy steel which, after lengthy experiments in both laboratory and field, proved most suitable in that it is non-fatiguing, thereby maintaining great bolt tension through wide reactive range. This maintenance of bolt tension keeps rail joint assembly in proper condition, reducing angle bar wear and rail batter, as well as eliminates necessity for periodical tightening of bolts and joint tamping.

Furnished for all sizes of track bolts in the following steel sections:

7/16″ wide x 1/4″ thick
7/16″ wide x 3/8″ thick
13/32″ wide 15/32″ thick (A. R. E. A. Specification)

When ordering VERONA SPECIAL ALLOY NUTLOCKS state bolt diameter over thread line.

* * *

Nutlocks Pioneered 1873

Verona Track Jacks

ALL materials used in VERONA TRACK JACKS are the best obtainable. The frames are malleable iron, the square socket levers are cast steel and the pawls, rack bar and catches are made from tool steel and are drop forged and heat treated.

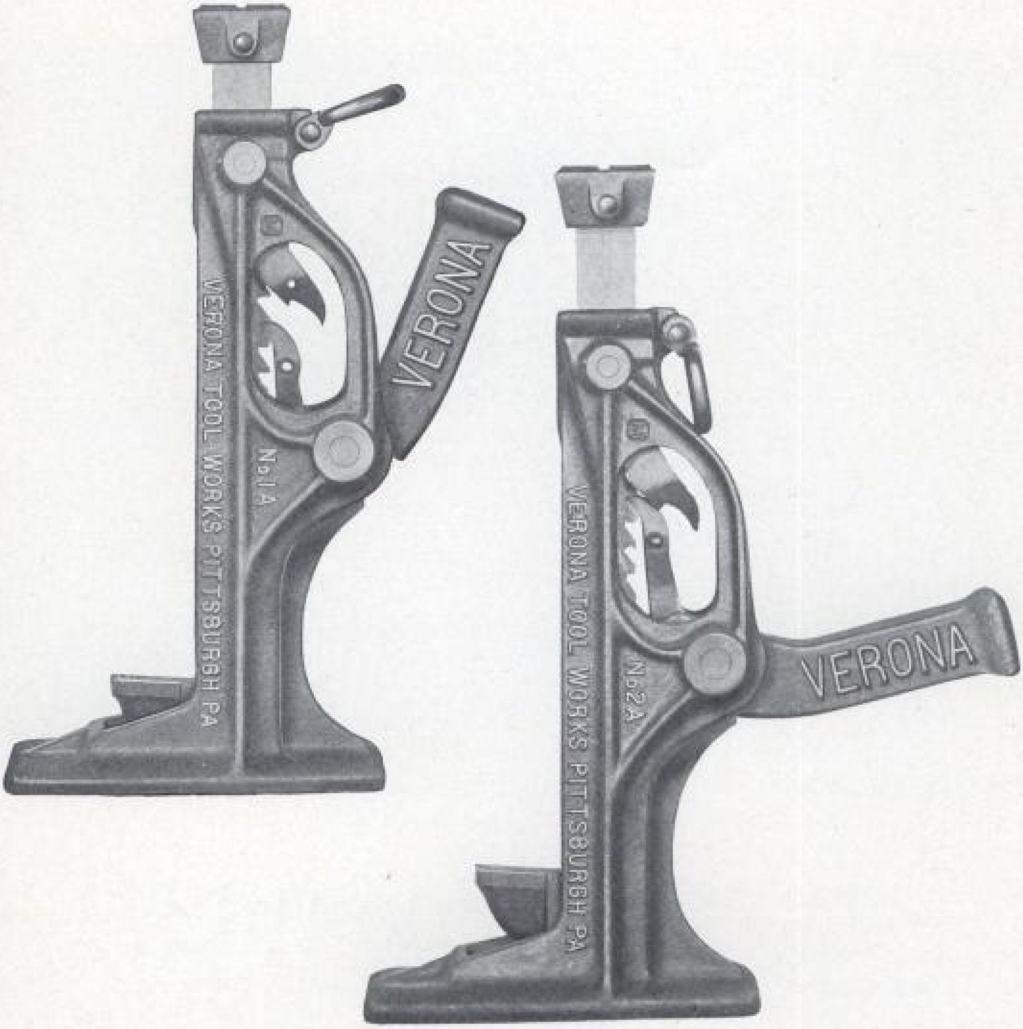
The trip is POSITIVE and INSTANTANEOUS, and consequently, is safe.

The pawl and fulcrum pins are stationary—no sleeves or bushings required.

VERONA TRACK JACKS have only four wearing parts, which can be renewed on the job without the necessity of sending them into the shop.

VERONA TRACK JACKS are manufactured in single and double action types, with a lifting range from 5 inches to 17 inches as illustrated in the following pages.

They maintain the exacting requirements of VERONA quality.


VERONA
VERONA TOOL WORKS PITTSBURGH PA
No1A
VERONA
VERONA TOOL WORKS PITTSBURGH PA
No2A

No. 1A Track Jack

Single acting—Quick trip.

Weight—65 pounds.

Square Socket for Lining Bar.

Height of Jack with Rack Bar down, 21 inches.

Capacity 15 tons—Lift 13 inches.

Parts interchangeable with No. 2A.

No. 2A Track Jack

Single acting—Quick trip.

Weight—75 pounds.

Square Socket for Lining Bar.

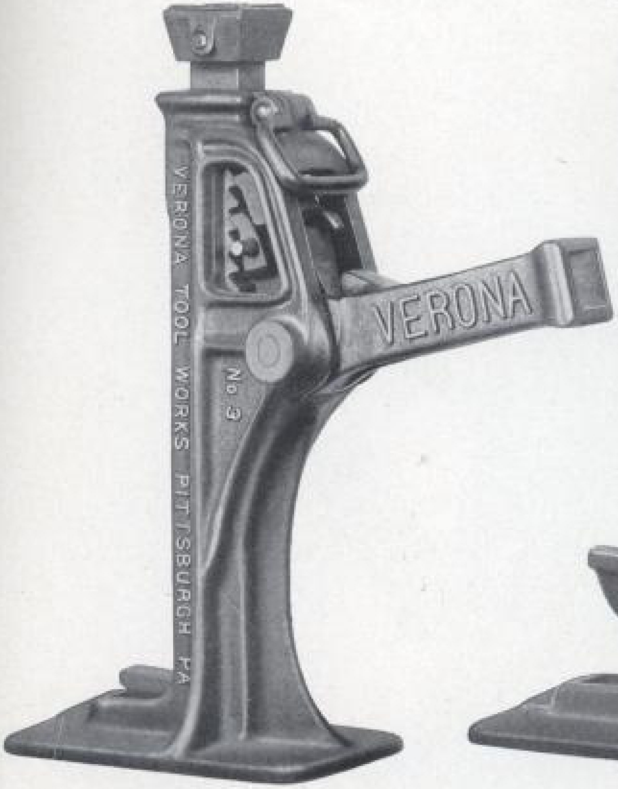
Height of Jack with Rack Bar down, 25 inches.

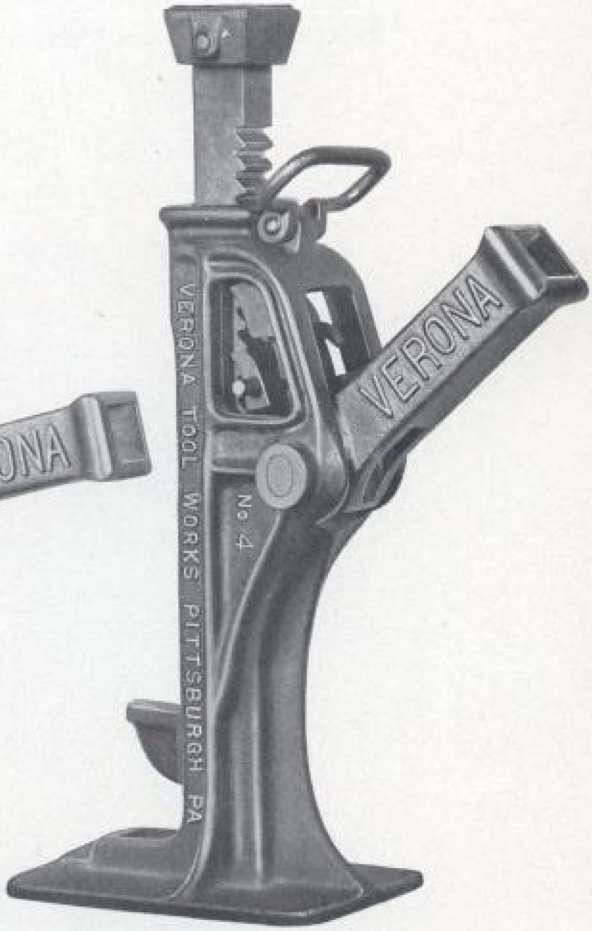
Capacity 15 tons—Lift 17 inches.

A Jack adapted especially for lifting frogs and crossovers or where high lift is desired.

Parts interchangeable with No. 1A.

½-inch or ¾-inch Rack Bar Lift—Specify Desire.





No. 3 Track Jack

Double acting—Quick trip.

Weight—65 pounds.

Rack Bar—3/16-inch lift with each upward or downward movement of lever.

Square Socket for Lining Bar.

Height of Jack with Rack Bar down, 21 inches.

Capacity 15 tons—Lift 13 inches.

The most efficient double acting, quick trip Track Jack on the market.

Parts interchangeable with No. 4.

No. 4 Track Jack

Double acting—Quick trip.

Weight—75 pounds.

Rack Bar—3/16-inch lift with each upward or downward movement of lever.

Square Socket for Lining Bar.

Height of Jack with Rack Bar down, 25 inches.

Capacity 15 tons—Lift 17 inches.

A double acting, quick trip Jack for use where high lift is desired.

Parts interchangeable with No. 3.

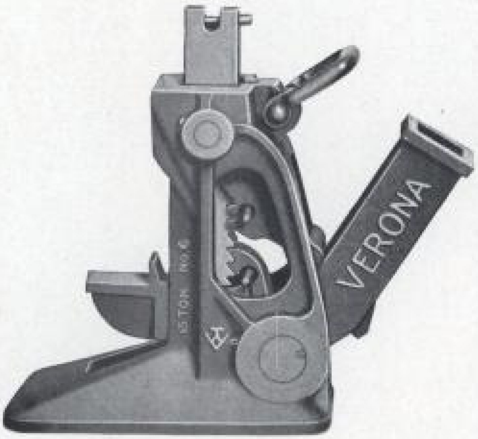
Write for special Jack circular

Improved Verona Track Jacks

VERONA BABY GIANT
SINGLE ACTING
TRACK JACK

* * *

Note notch in rack bar to fit rail flange so Jack may be used as Track Liner.



CAPACITY 15 TONS

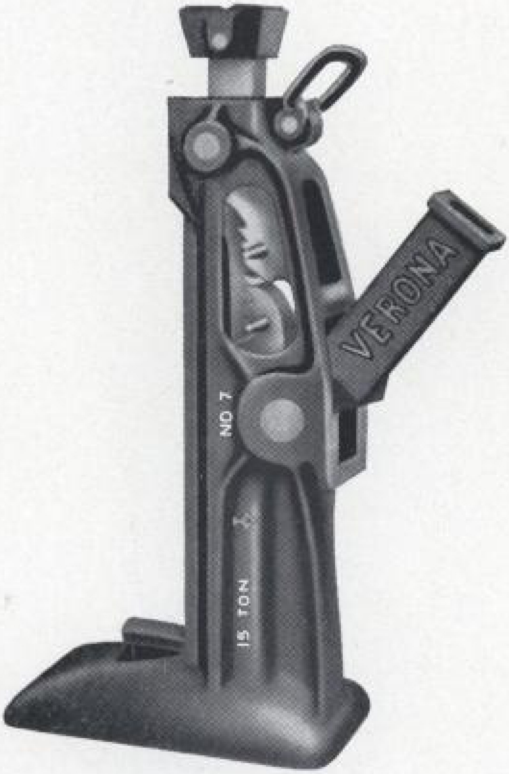
NO. 6

Weight	43 pounds
Height Rack Bar Down	10½ inches
Extreme Height	15½ inches
Total Lift	5 inches
Rack Bar Lift	½ inch

The best Jack for track surfacing and picking up low joints

Improved Verona Track Jacks

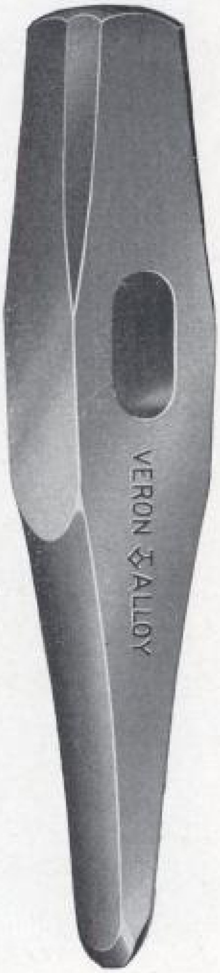
VERONA IMPROVED
SINGLE ACTING
TRACK JACKS



CAPACITY 15 TONS

	No. 7	No. 8
Weight	64 pounds	72 pounds
Height Rack Bar Down	21 inches	25 inches
Total Lift	13 inches	17 inches
Rack Bar Lift	½ inch	½ inch

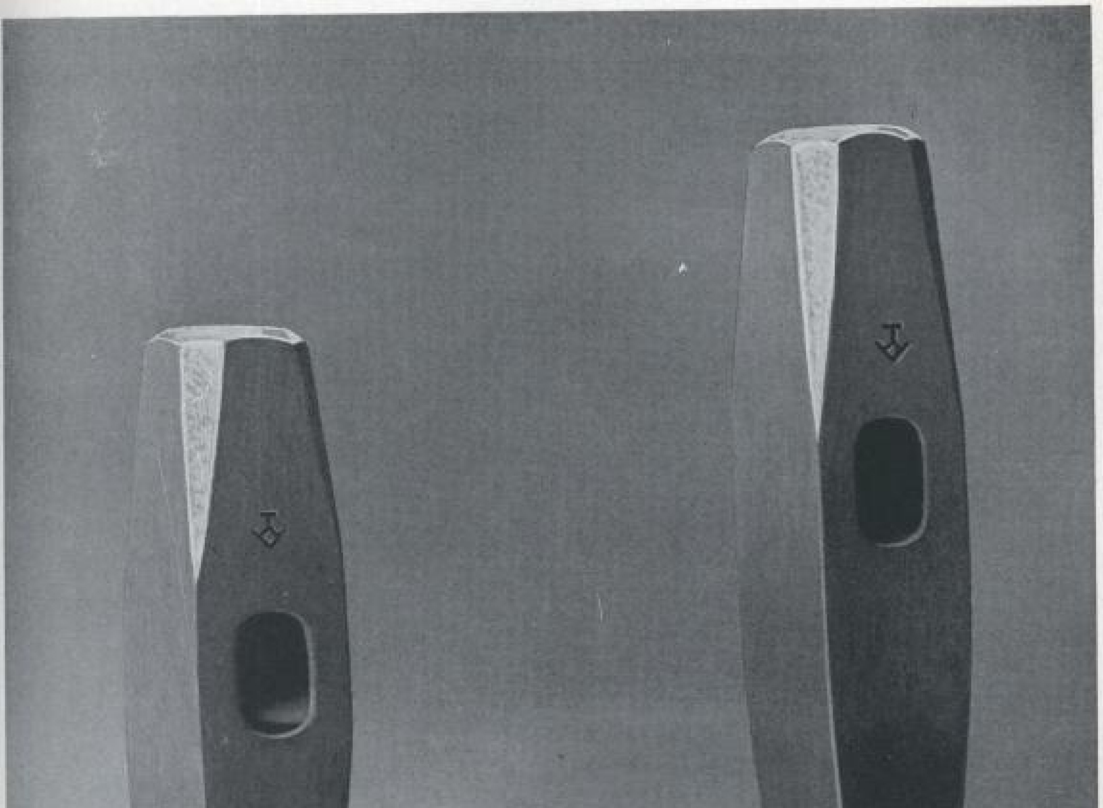
Three teeth on both catch and lifting pawl assure long life and safety.



"Veronalloy" 1Q Chisel

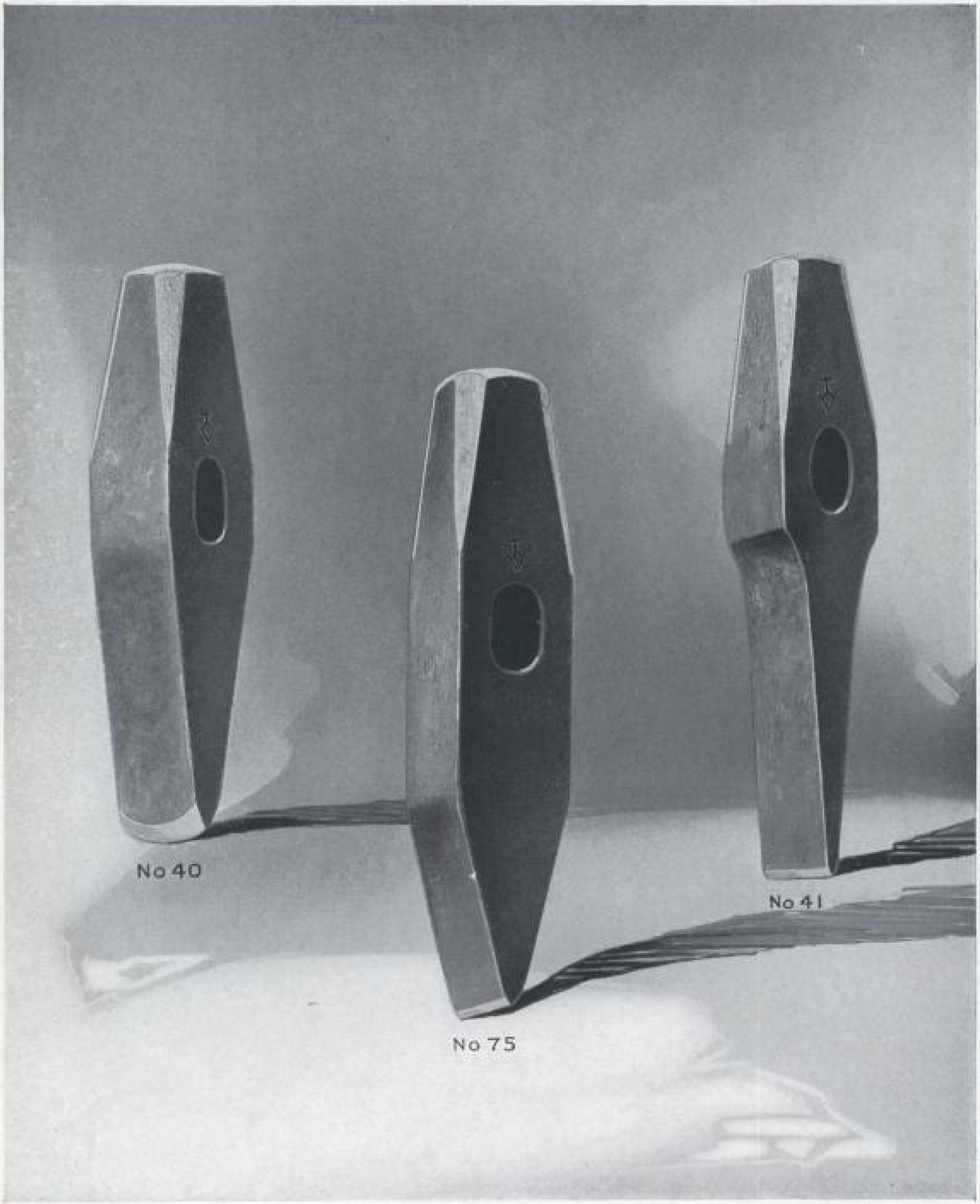
A.R.E.A. PLAN NO. 17, DESIGN 2

Designed for longer service; the VERONALLOY Chisel permits resharpening and redressing many times. Point tempered sufficient distance to permit regrinding during entire life of chisel eliminating necessity for retempering in field. A safe, economical chisel, made of special electric furnace alloy steel. Painted VERONALLOY green to distinguish it as a member of the VERONALLOY line of high quality, extra service tools. Weight 5½ pounds. Length 10½ inches.



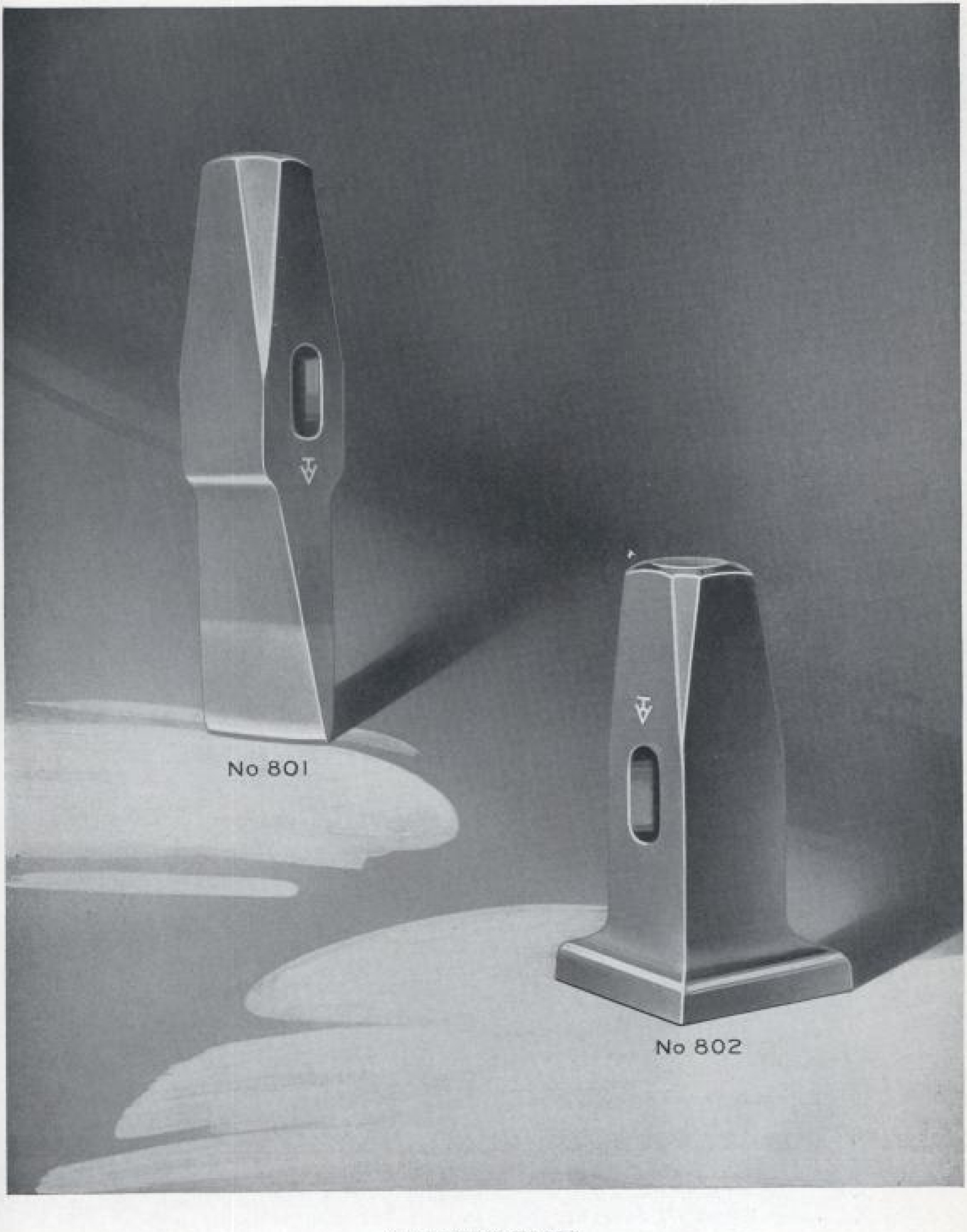
No. 1. Track Chisel. A.R.E.A. Plan No. 16, Design 1. Standard weight 5¼ pounds. Length 9¼ inches.
No. 2. Track Chisel. A.R.E.A. Plan No. 16, Design 1. Standard weight 6¼ pounds. Length 10½ inches.

Also furnished in "VERONALLOY" a special alloy Steel



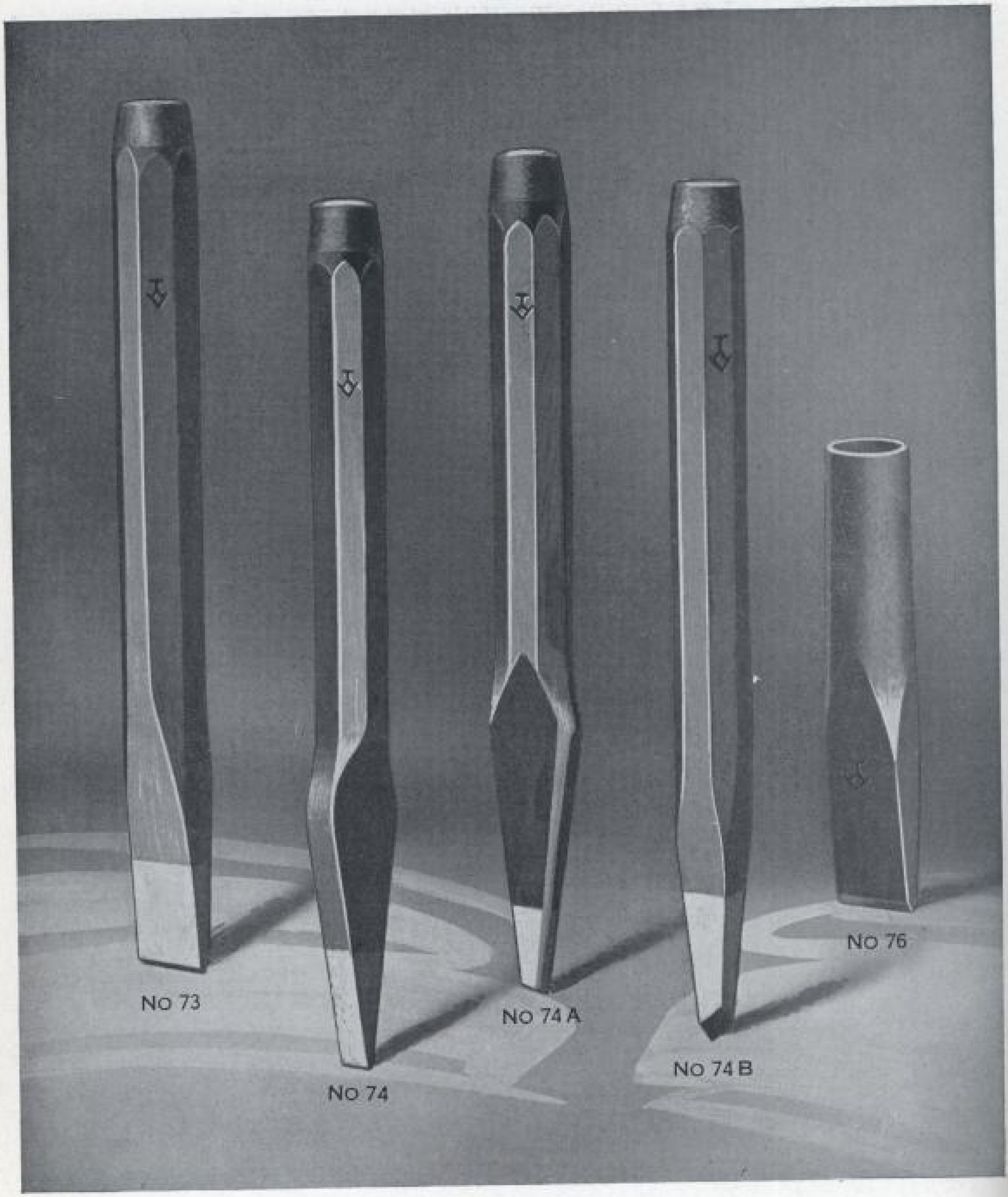
No. 40. Blacksmith's Cold Chisel. Bit sizes—1¼-inch to 2-inches. Square or Round Bit.
No. 41. Blacksmith's Hot Chisel. Bit Sizes—1¼-inch to 1¾-inch.
No. 75. Foundry Chisel. Standard weight—6 pounds. Length 9⅜".

Made of special steel, heat treated



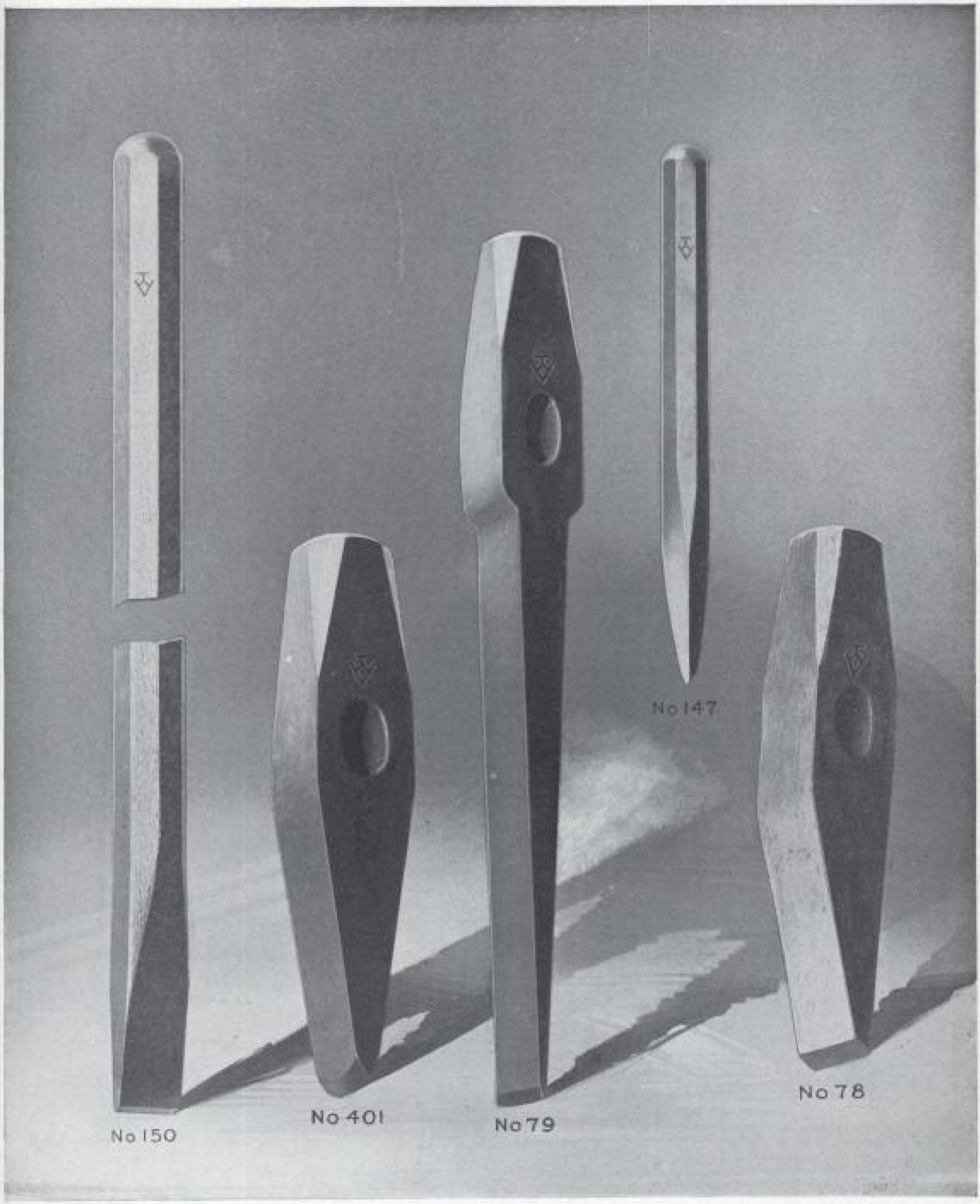
WELDER'S TOOLS

No. 801. Welder's Hot Cutting Chisel. Alloy. Standard weight 4½ pounds. Length 8¼-inches.
No. 802. Blacksmith's Square Flatter. Faces 2-inch, 2½-inch, 3-inch, 3½-inch and 4-inch.



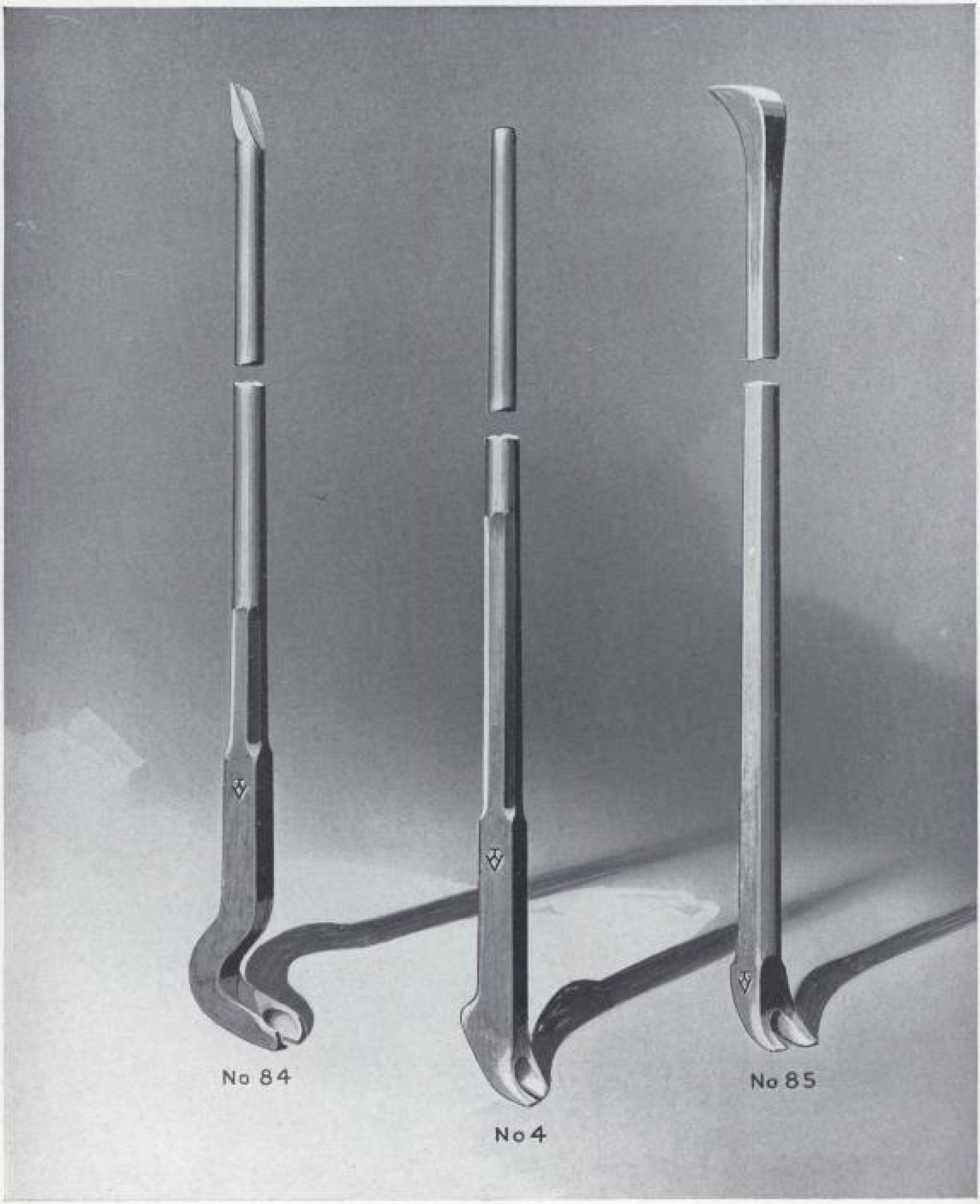
No. 73.	Cold or Flat Chipping Chisel. Made in sizes ¼-inch to 1-inch. Octagon.
No. 74.	Cape Chisel. Made in sizes ¼-inch to 1-inch. Octagon.
No. 74A.	Round Nose Chisel or Gouge. Made in sizes ¼-inch to 1-inch. Octagon.
No. 74B.	Diamond Point Chisel. Made in sizes ¼-inch to 1-inch. Octagon.
No. 76.	Broom Chisel for cleaning frogs and switches.

No. 73-74-74A-74B can be furnished for use in pneumatic hammer. See Page 70.



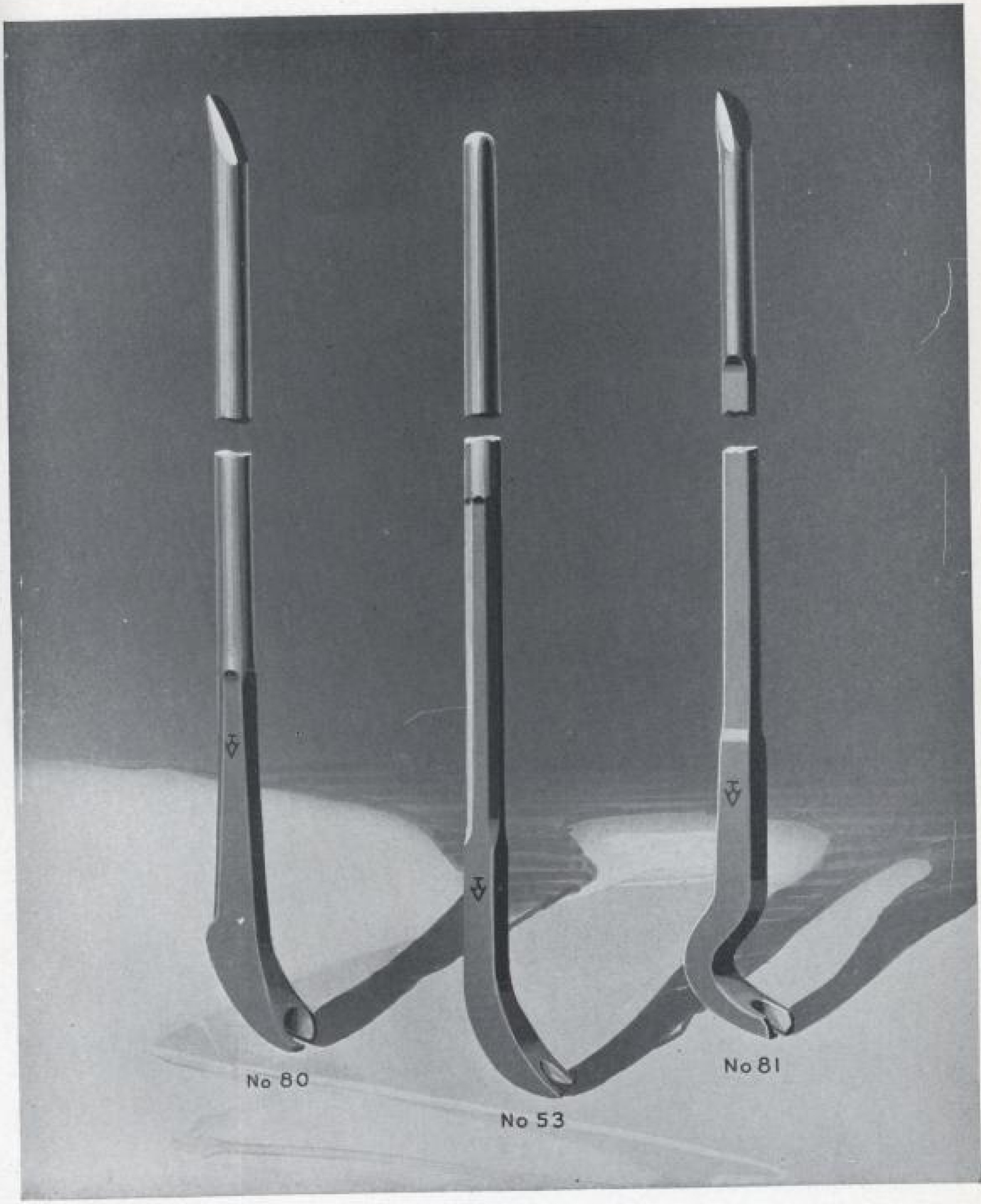
No. 150. Double Hand Chisel. Standard size 1⅛ or 1¼-inches. Octagon. Any length desired.
No. 401. Car Chisel, for cutting rivets in repairing steel cars. Standard weight 5¼ pounds.
No. 79. Drift Bolt Chisel for cutting bolts. Standard weight 5 pounds.
No. 147. Diamond Point Chisel, for stone work. Standard size ¾ x 9-inches.
No. 78. Side Chisel, for cutting rivets. Weight 3, 4 or 5 pounds.

All made of special steel, heat treated



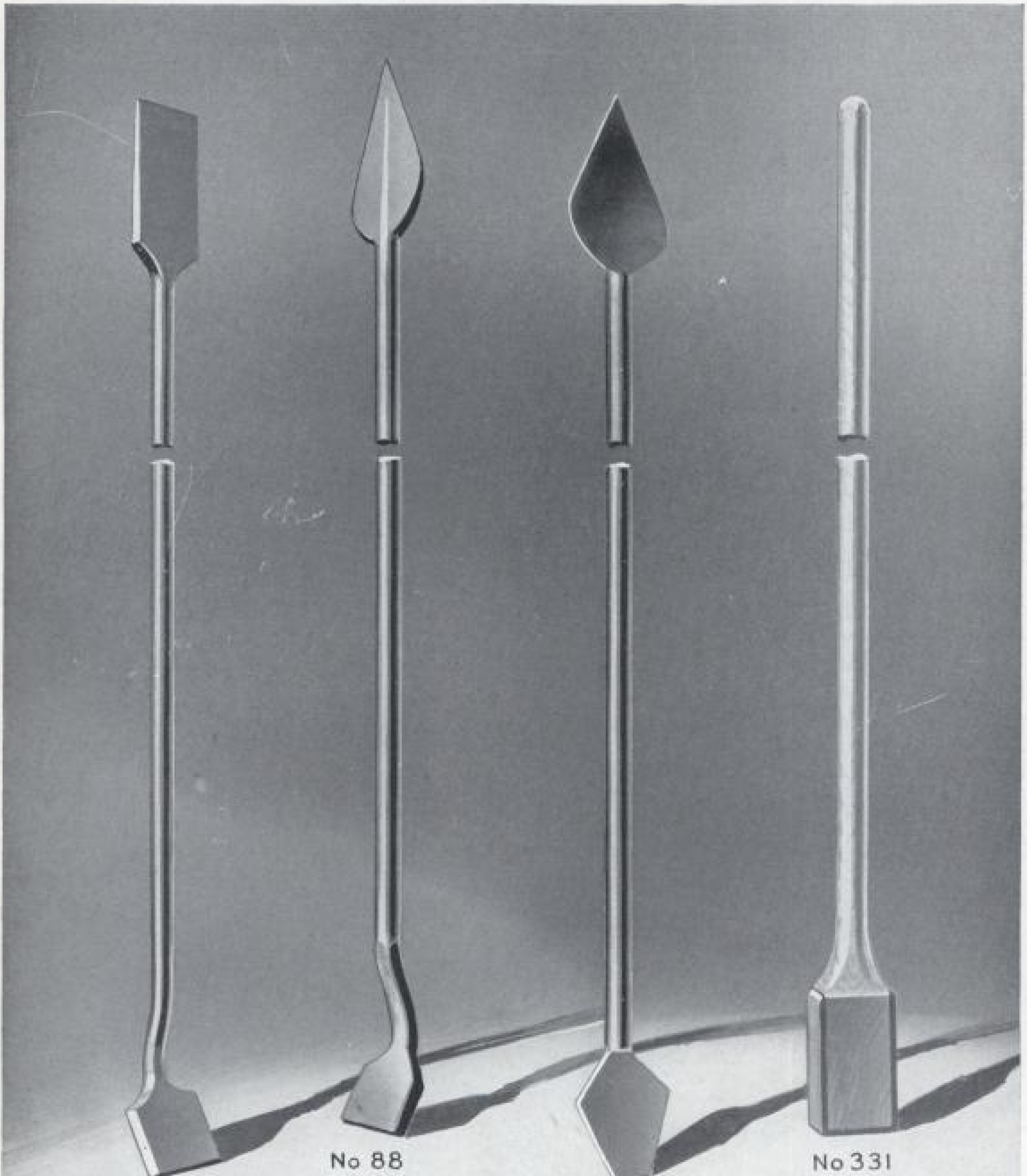
No. 84. Claw Bar (Goose Neck). Weight 30 pounds.
No. 4. Claw Bar. Weight 20, 25 or 30 pounds.
No. 85. Double End Claw Bar; one end for boat spikes, other end for railroad spikes.

All claw bars carefully tempered

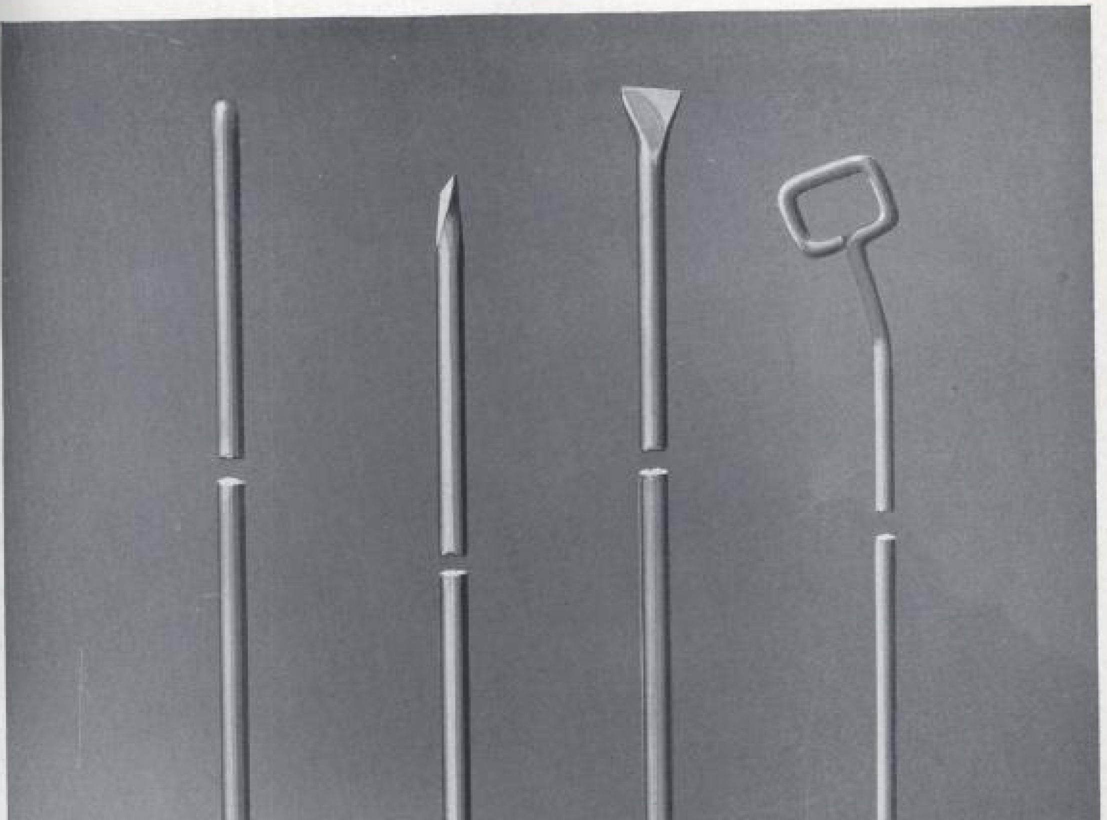


No. 80.	Claw Bar. A.R.E.A. Plan 11-A. Weight 30 pounds.
No. 80B.	Claw Bar. A.R.E.A. Plan 11. Weight 30 pounds.
No. 53.	Claw Bar. Weight 29 pounds.
No. 81.	Nelson Claw Bar (Goose Neck). Weight 29 pounds.

All claw bars carefully tempered



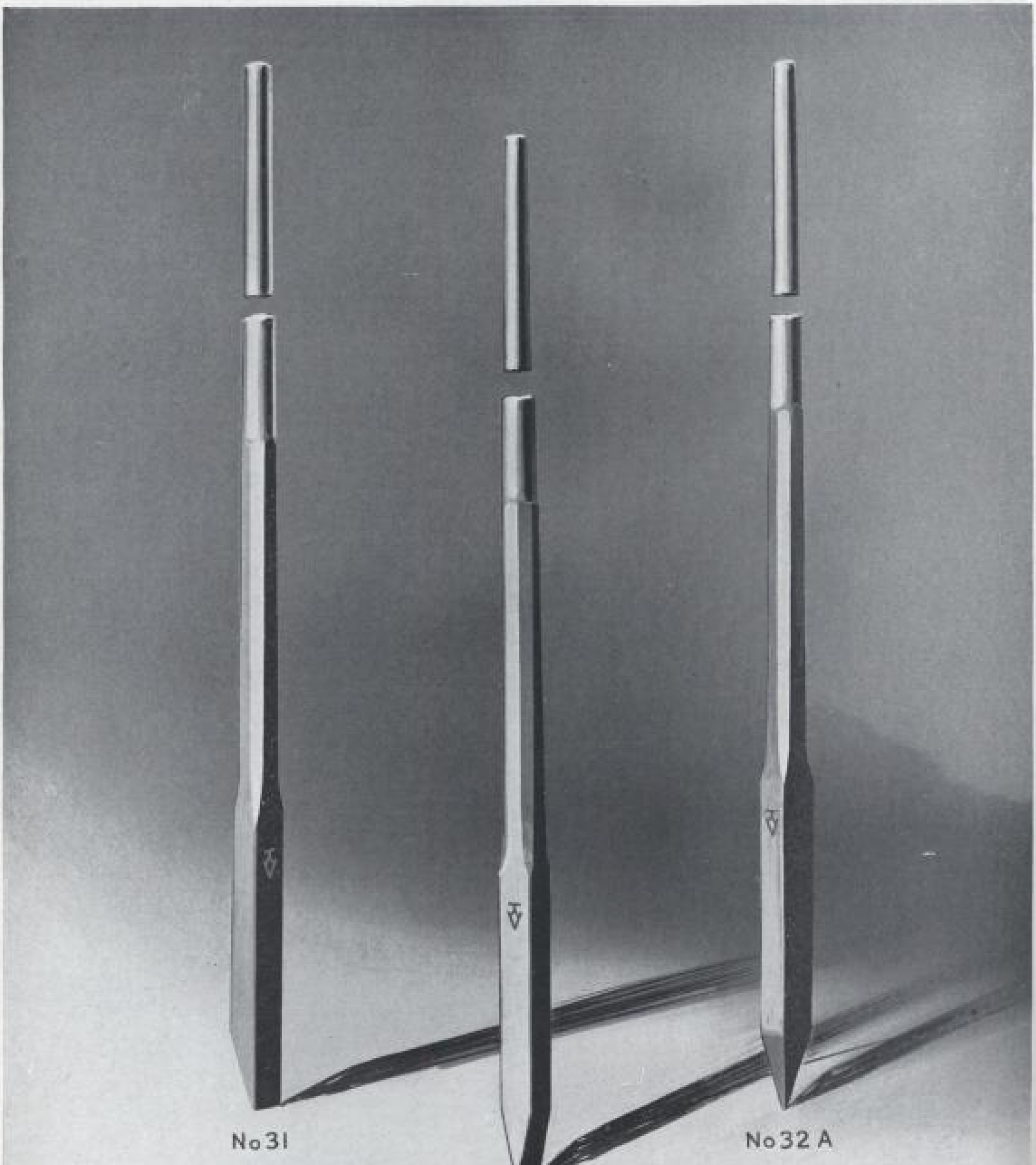
No. 87. Spade End Tamping Bar. Solid handle, no welding. Weight 15 pounds.
No. 88. Spear End Tamping Bar. A. R. E. A. Plan No. 15. Weight 15 pounds.
No. 141. Diamond Stone Tamping Bar. Designed for stone ballast. Weight 17 pounds.
No. 331. Wood Handle Tamping Bar. With steel shoe for street railway use.



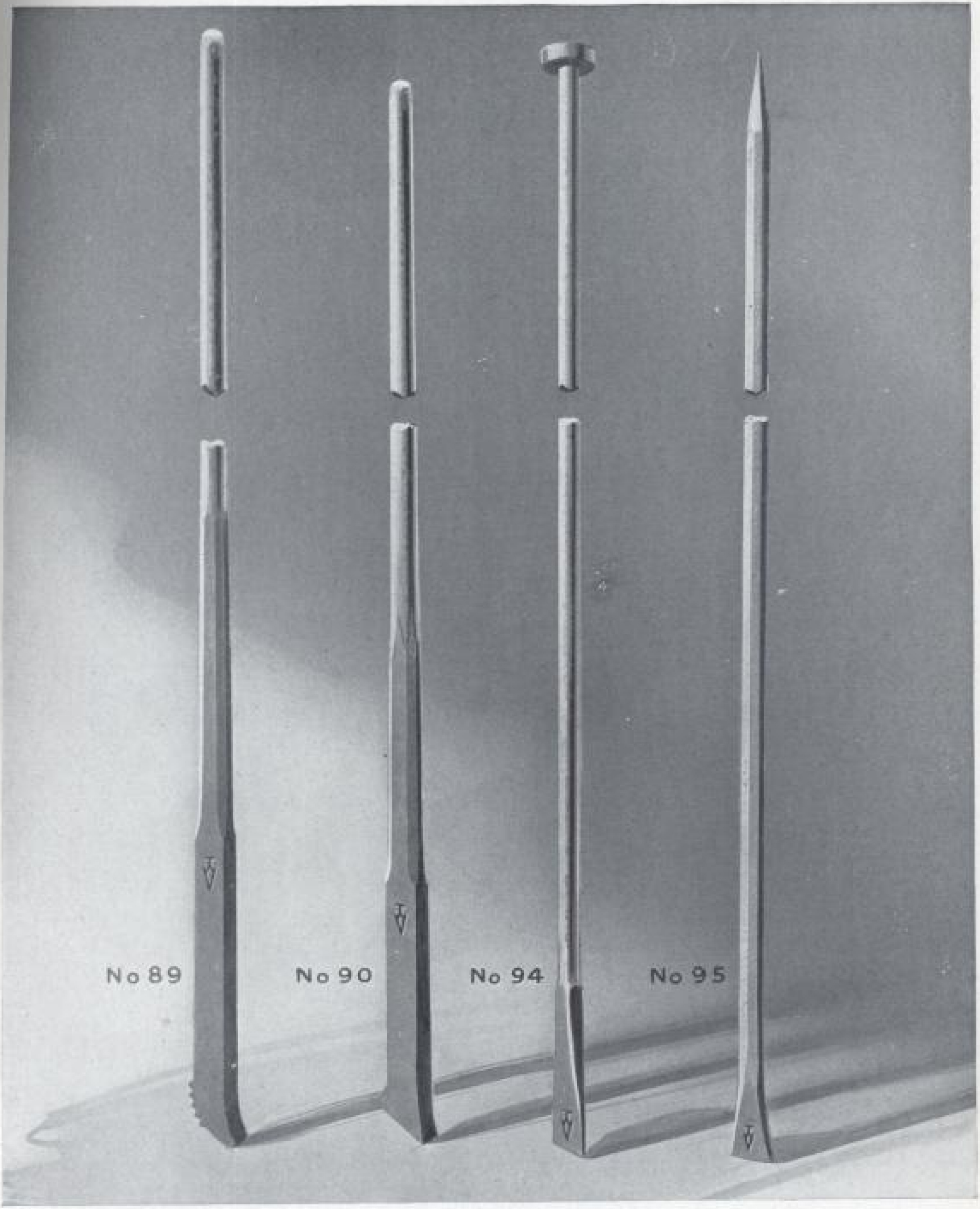
No. 33. Tamping Bar. Weight 13 pounds.

No. 33½. R. M. A. Tamping Bar. A. R. E. A. Plan No. 14. (Recommended by Committee R. M. A.) Weight 13 pounds.

No. 86. End Tamping Bar. Made of spring steel.



No. 31. Lining Bar (Pinch Point). A. R. E. A. Plan No. 5. Made in weights from 3 to 30 pounds.
No. 32. Lining Bar (Wedge Point) .A. R. E. A. Plan No. 5. Made in weights from 10 to 30 pounds.
No. 32A. Lining Bar (Diamond Point). A. R. E. A. Plan No. 5. Made in weights 10 to 30 pounds.

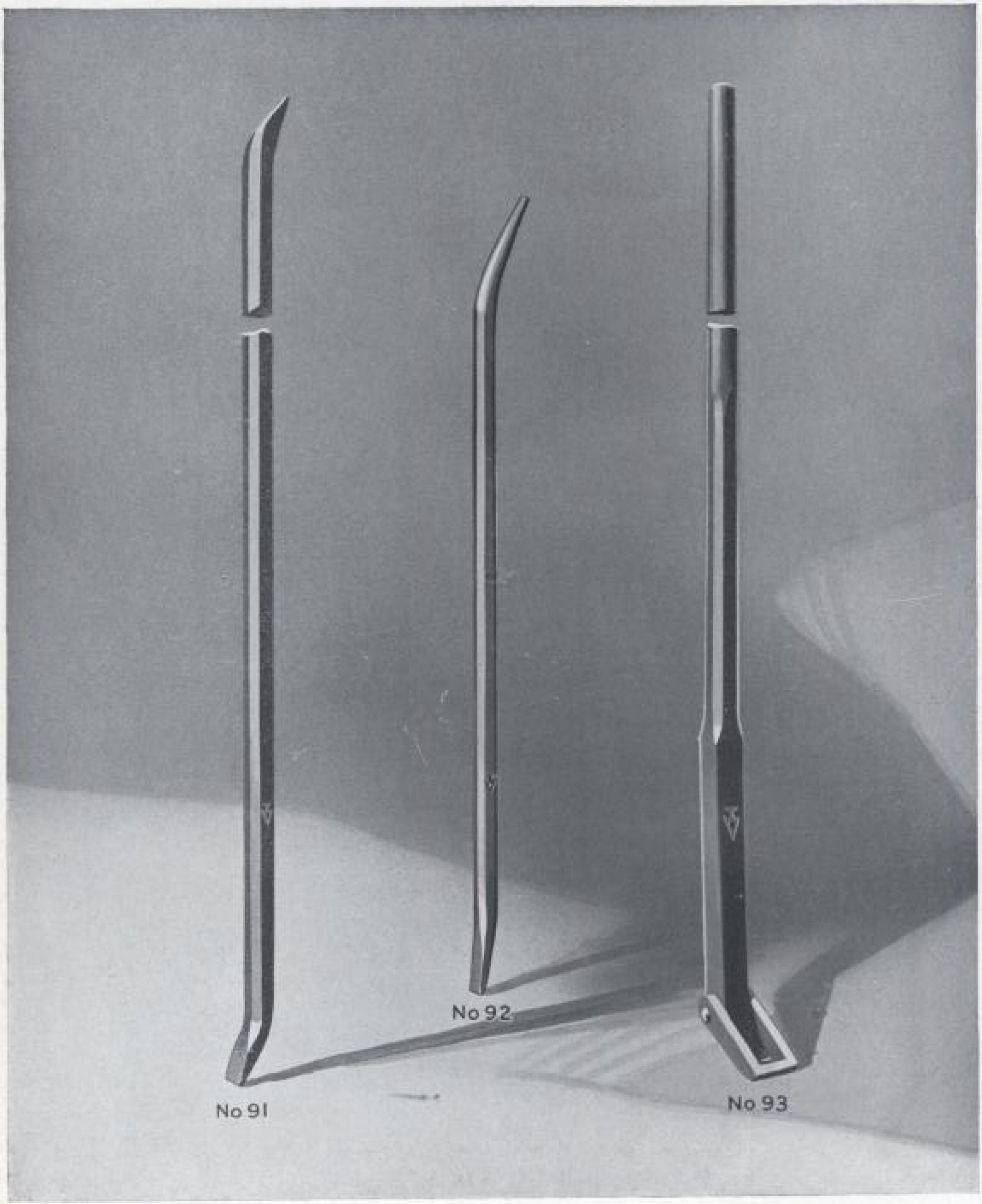


No. 89. Locomotive Pinch Bar or Car Pusher. Length 7-feet. Teeth machine cut. Carefully tempered. Weight 38 pounds.

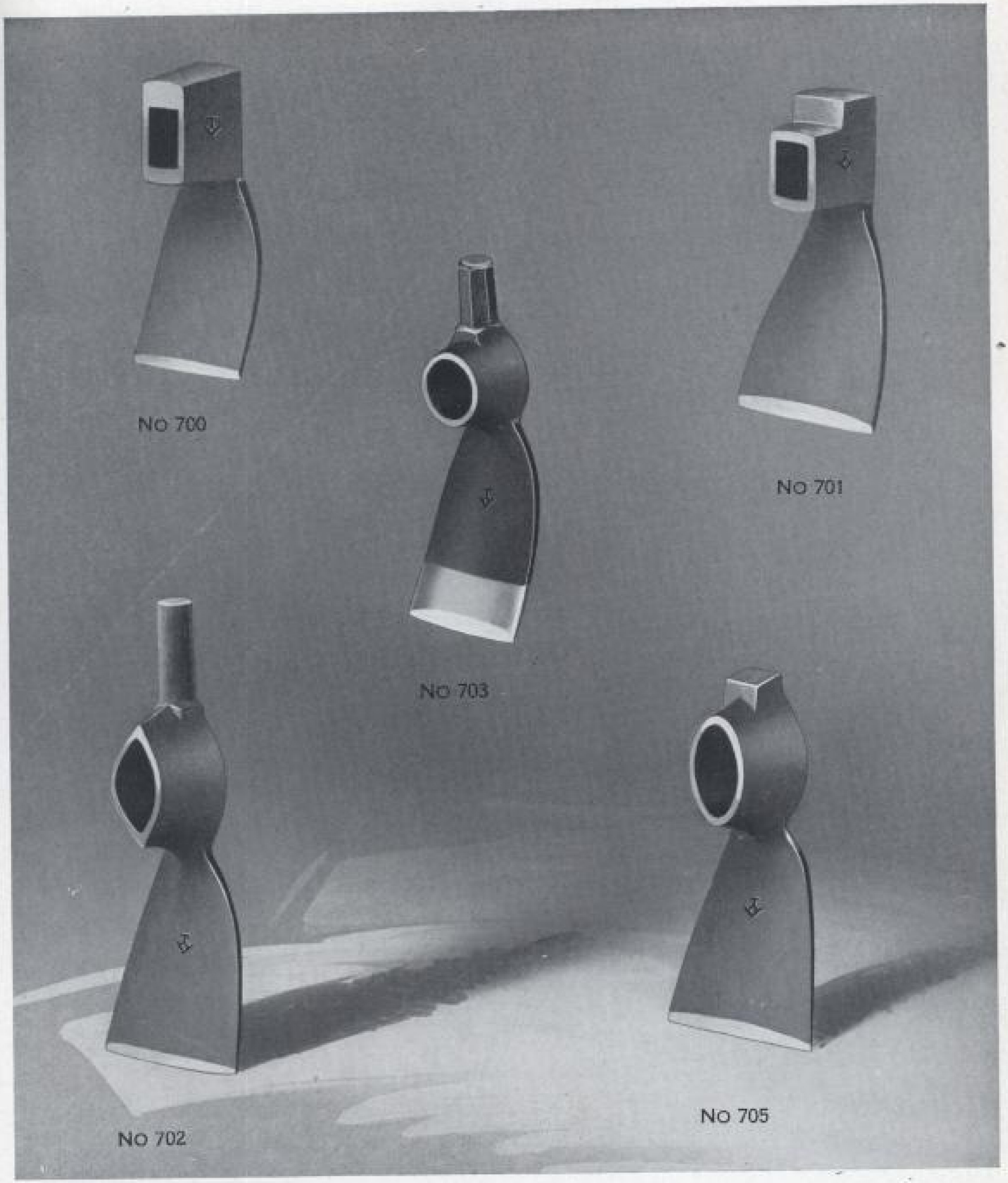
No. 90. Heel Pinch Bar. Length 5-feet, 6-inches. Weight 29 pounds.

No. 94. Post Hole Diggers. Weight 18 pounds. Length 6-feet.

No. 95. Digging Bar. Tool Steel—1⅛-inch Octagon, 7 or 8-feet long.



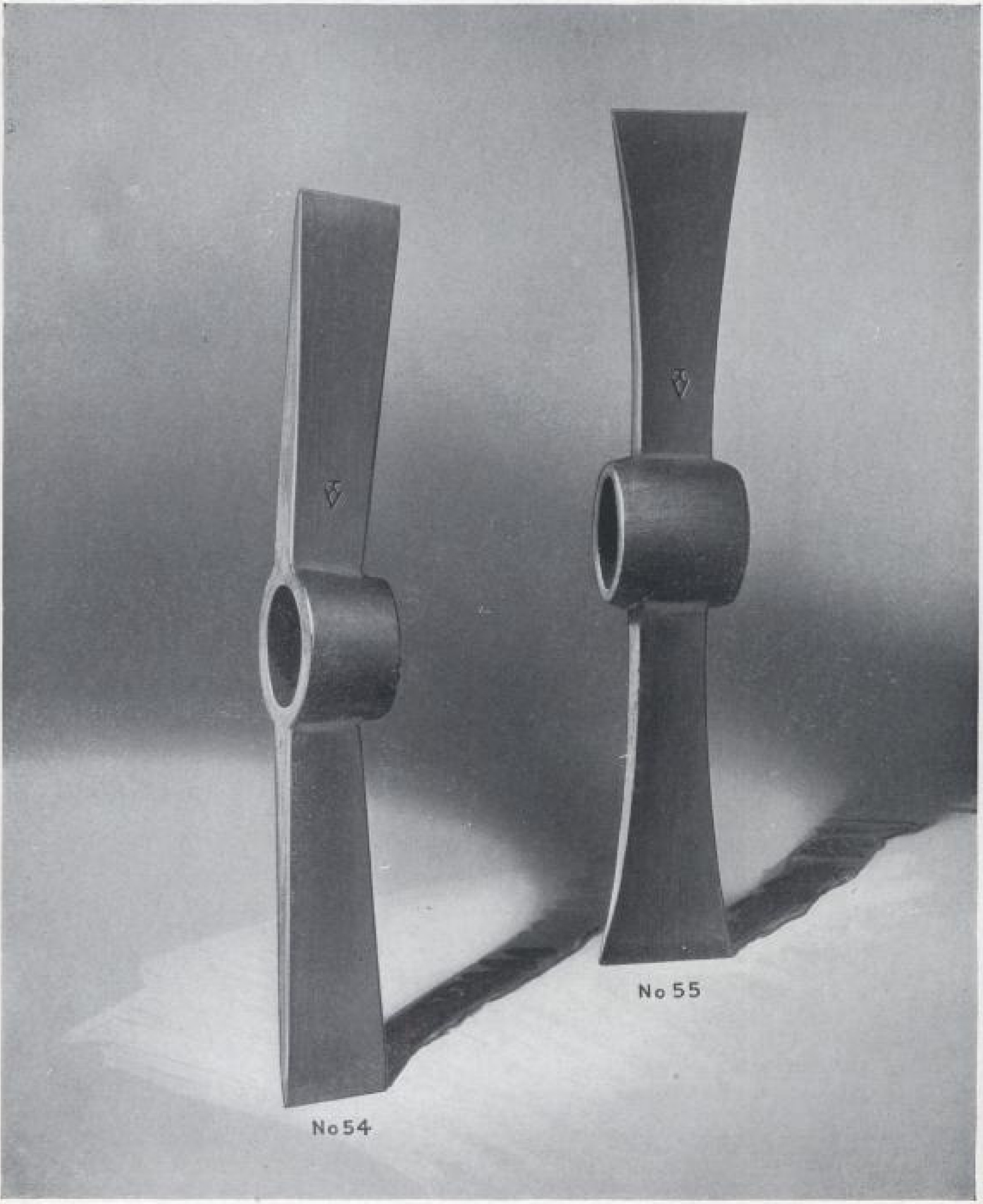
No. 91. Timber Bar. (Diamond and Chisel Point) Standard size 1⅛-inches by 5-feet. Weight 17 pounds.
No. 92. Buggy Bar. Standard size ⅞-inch by 36-inches. Weight 6 pounds.
No. 93. Shackle Bar. Length 5½-feet. Weight 29 pounds.



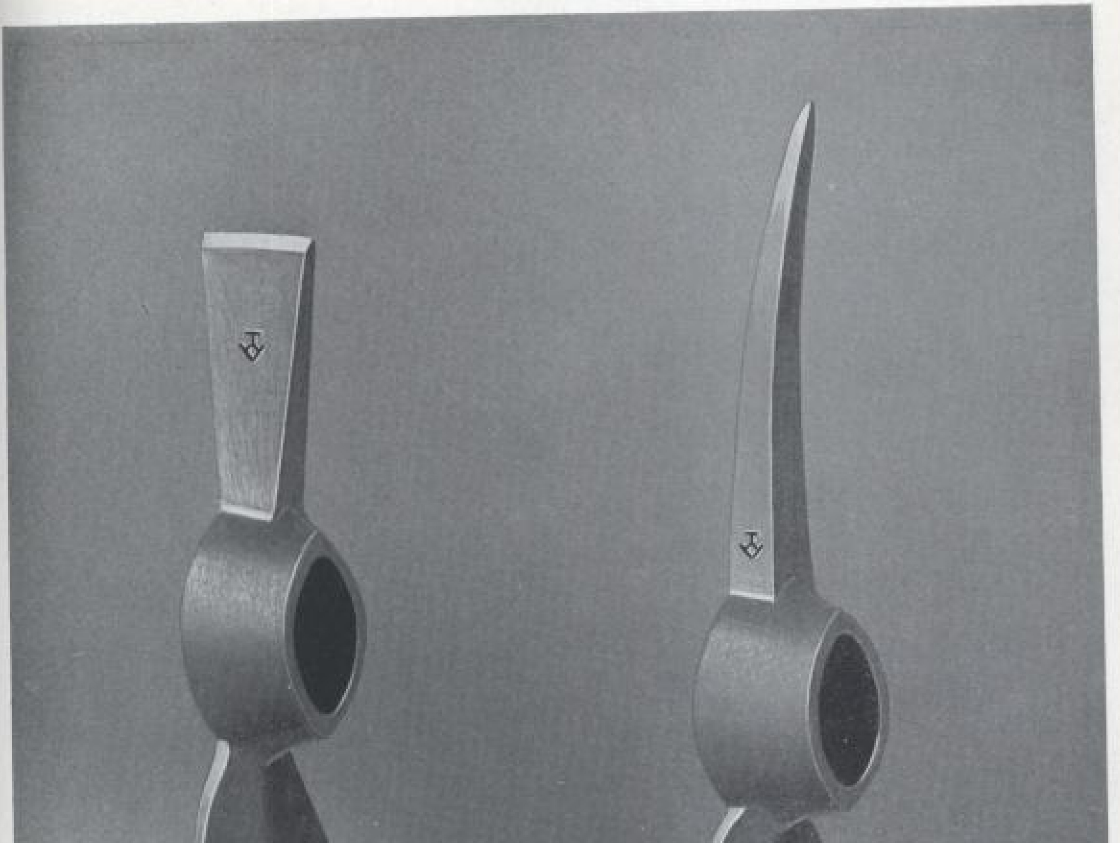
No. 700. Adze. Full Head Railroad. A. R. E. A. Plan No. 12. 4 to 5-inch bit.
No. 701. Adze. Carpenter's half head, 4 to 5-inch bit.
No. 703. Adze. Spanish pattern, round eye, 5½-inch bit.
No. 702. Adze. Special for railroad work. Pick eye, round pole end, 4 to 5-inch bit.
No. 705. Adze. Full head, pick eye, 4 to 5-inch bit.

Nos. 700-701-702 also furnished in "VERONALLOY" a special Alloy Steel.

All adzes made of solid steel, tempered

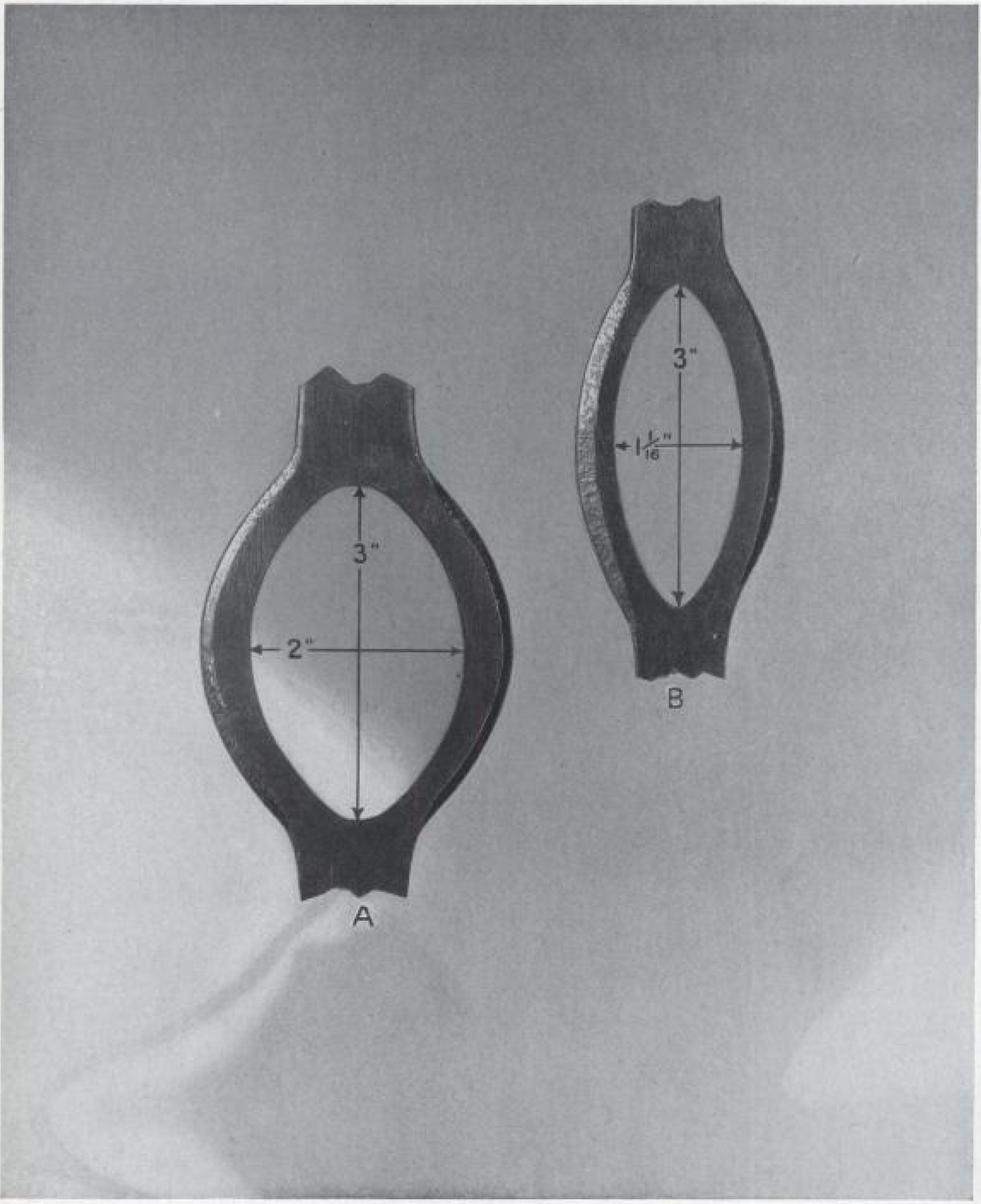


No. 54. Asphalt Cutter (Single Eye). Weight 9 pounds.
No. 55. Asphalt Cutter (Double Eye). Weight 10 pounds.



No. 106. Cutter Mattock. Long or short cutter. Weights 3, 4, 5 and 6 pounds.
No. 107. Pick Mattock. Weights 5 and 6 pounds.

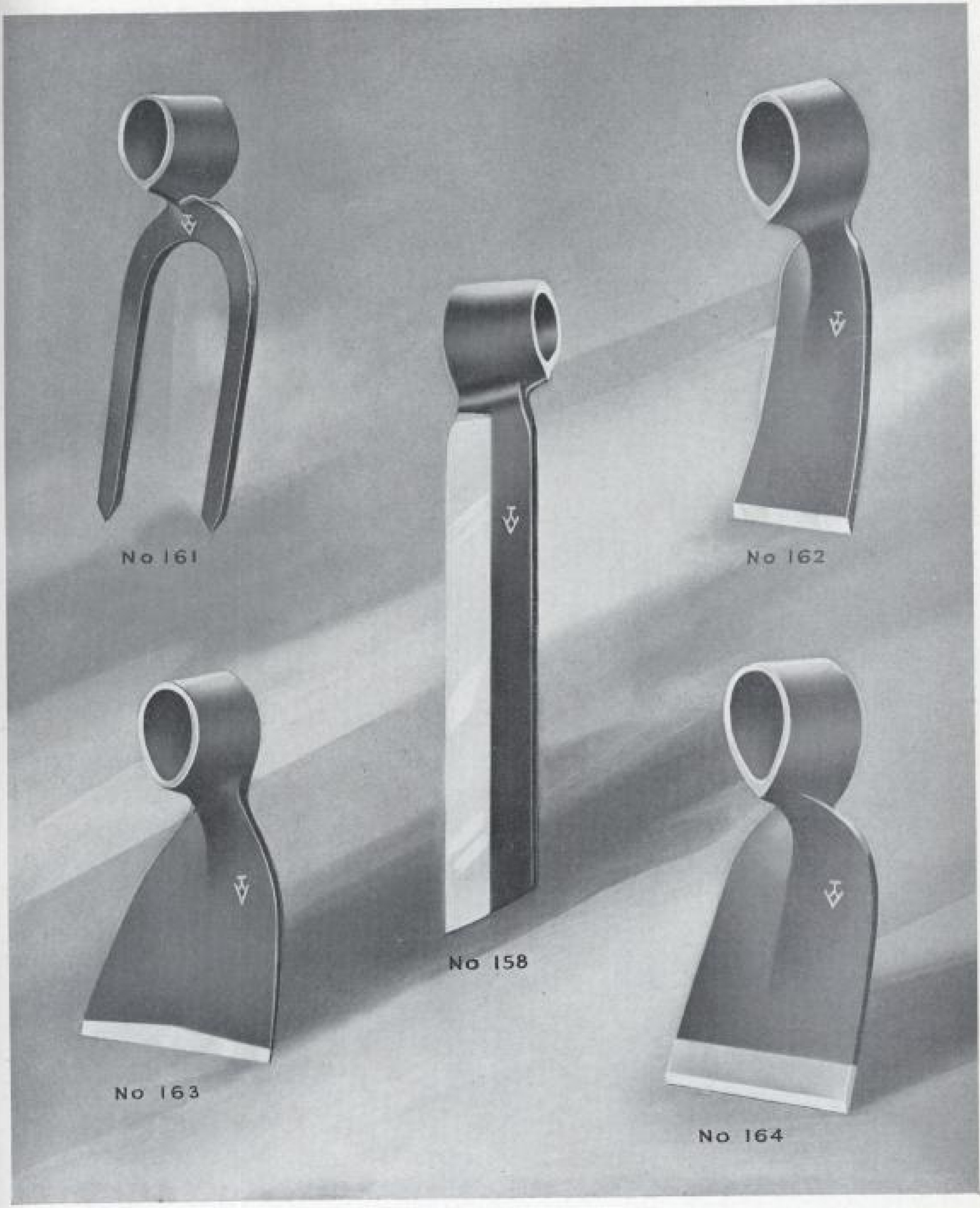
All mattocks specially tempered



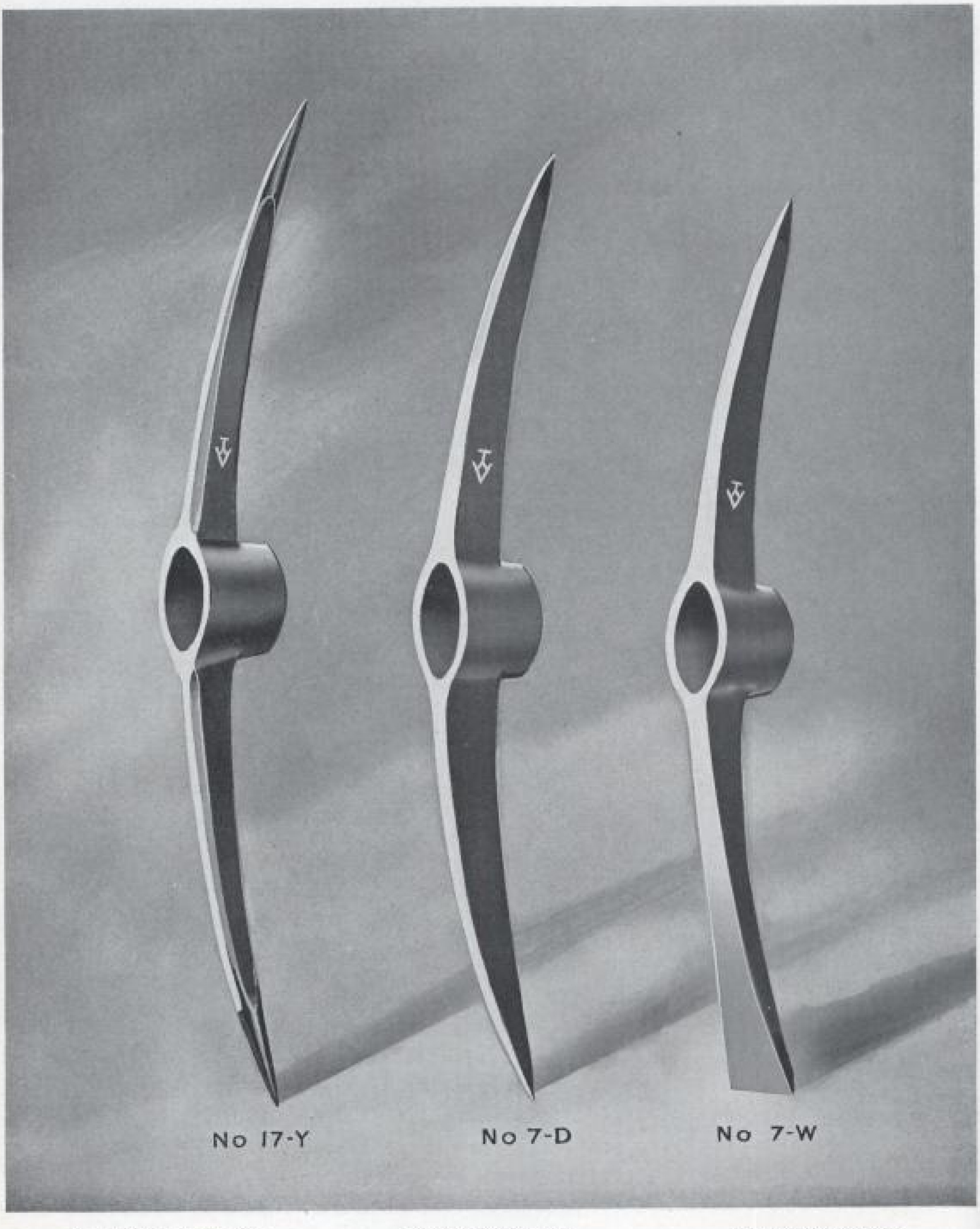
SIMPLIFIED PRACTICE

SIZES OF PICKEYES

A. Standard Eye used in Nos. 2, 3, 7, 17, 49, 54, 99, 106, 107, 142.
B. This style eye used in Nos. 22, 24, 100, 101.



No. 161. Vineyard Hose. Weight 2½ pound, 8-inch long. Weight 3 pound, 10-inch long.
No. 162. Grub Hose. Weight 3, 3½, 4 and 4½ pounds.
No. 158. Cooper Froe. 12 and 14-inch lengths.
No. 163. Hazel Hoe. Weight 3 pounds, 6-inch blade.
No. 164. Accomac Hoe. Weight 4½ pounds, 6-inch blade and 5 pound, 6½-inch blade.



No. 17-Y Contractor Pick
Yankee Pattern

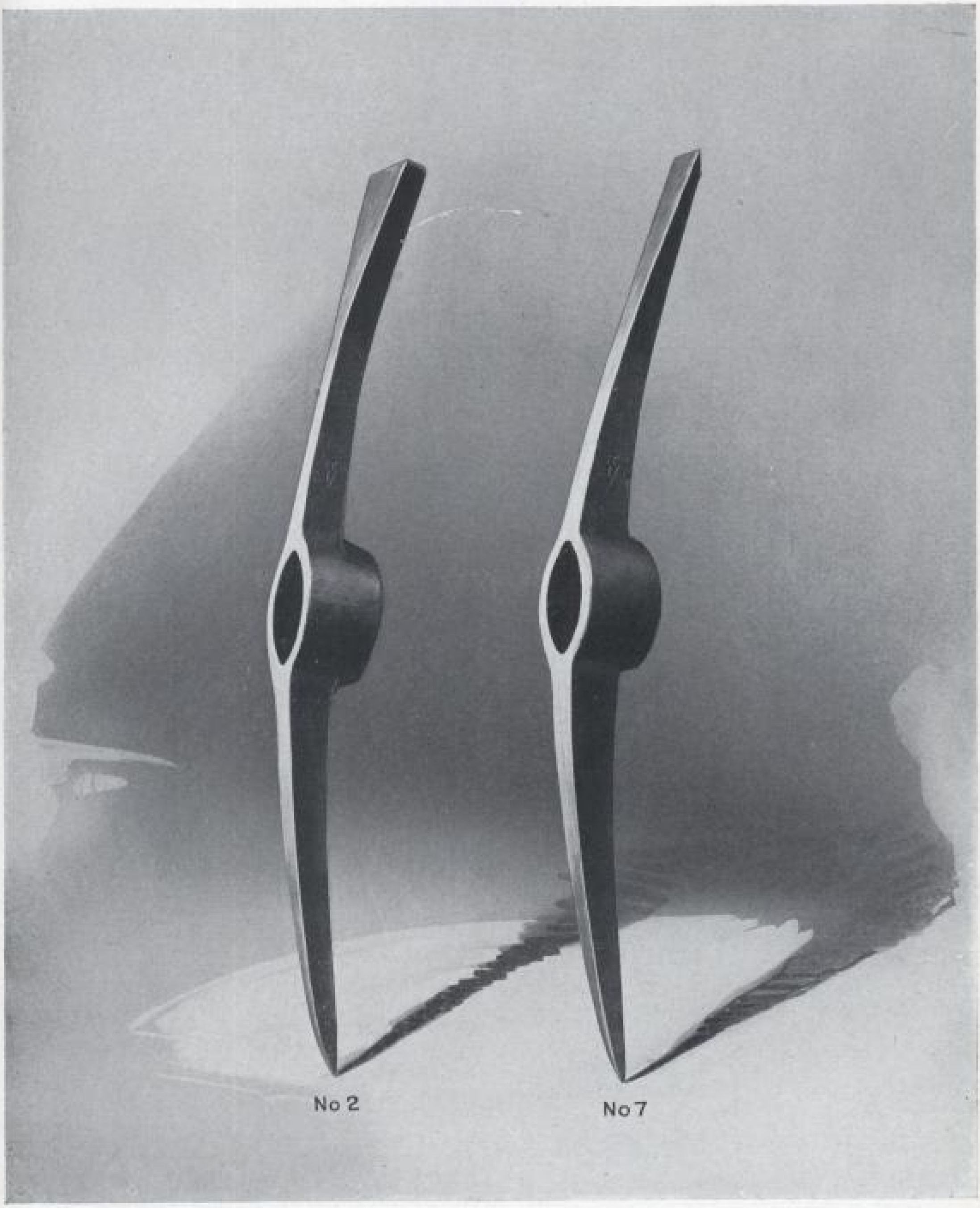
Weight	Length
7 Lb.	29″
8 Lb.	30″
9 Lb.	31″

No. 7-D Railroad Pick
Double Pointed

Weight	Length
5 Lb.	21″
6 Lb.	23″
7 Lb.	25″
8 Lb.	26″
9 Lb.	27″
10 Lb.	28″

No. 7-W Railroad Pick
Wide Chisel End

Weight	Length
5 Lb.	21″
6 Lb.	23″
7 Lb.	25″
8 Lb.	26″



No. 2 Tamping Pick
A. R. E. A. Plan No. 2

Weight
7-8 Lb.
9 Lb.

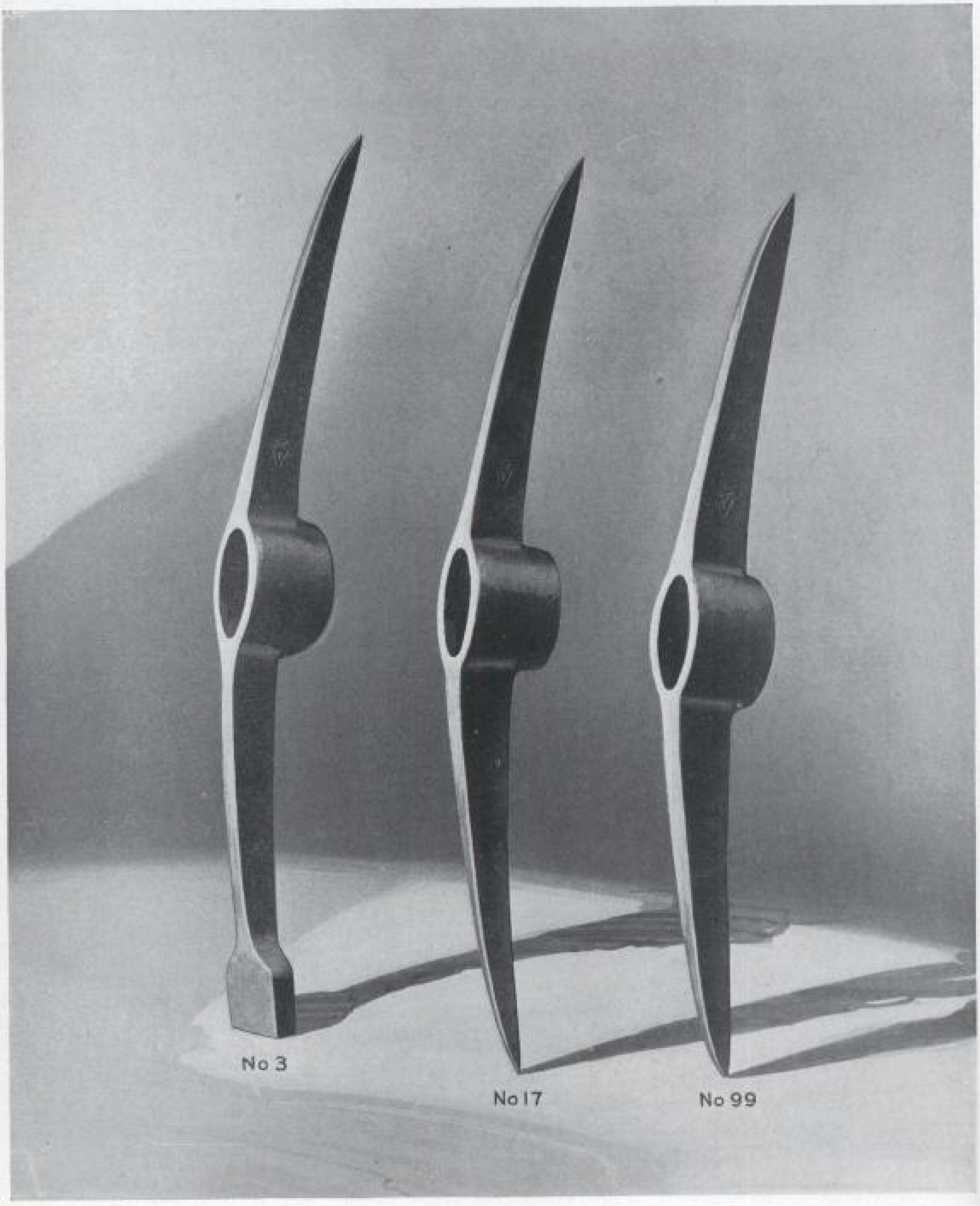
No. 7 Clay Pick
A. R. E. A. Plan No. 1

Weight	Length
5 Lb.	21"
6 Lb.	23"
7 Lb.	25"

No. 7 Clay Pick—(Continued)
A. R. E. A. Plan No. 1

Weight	Length
8 Lb.	26"
9 Lb.	27"
10 Lb.	28"

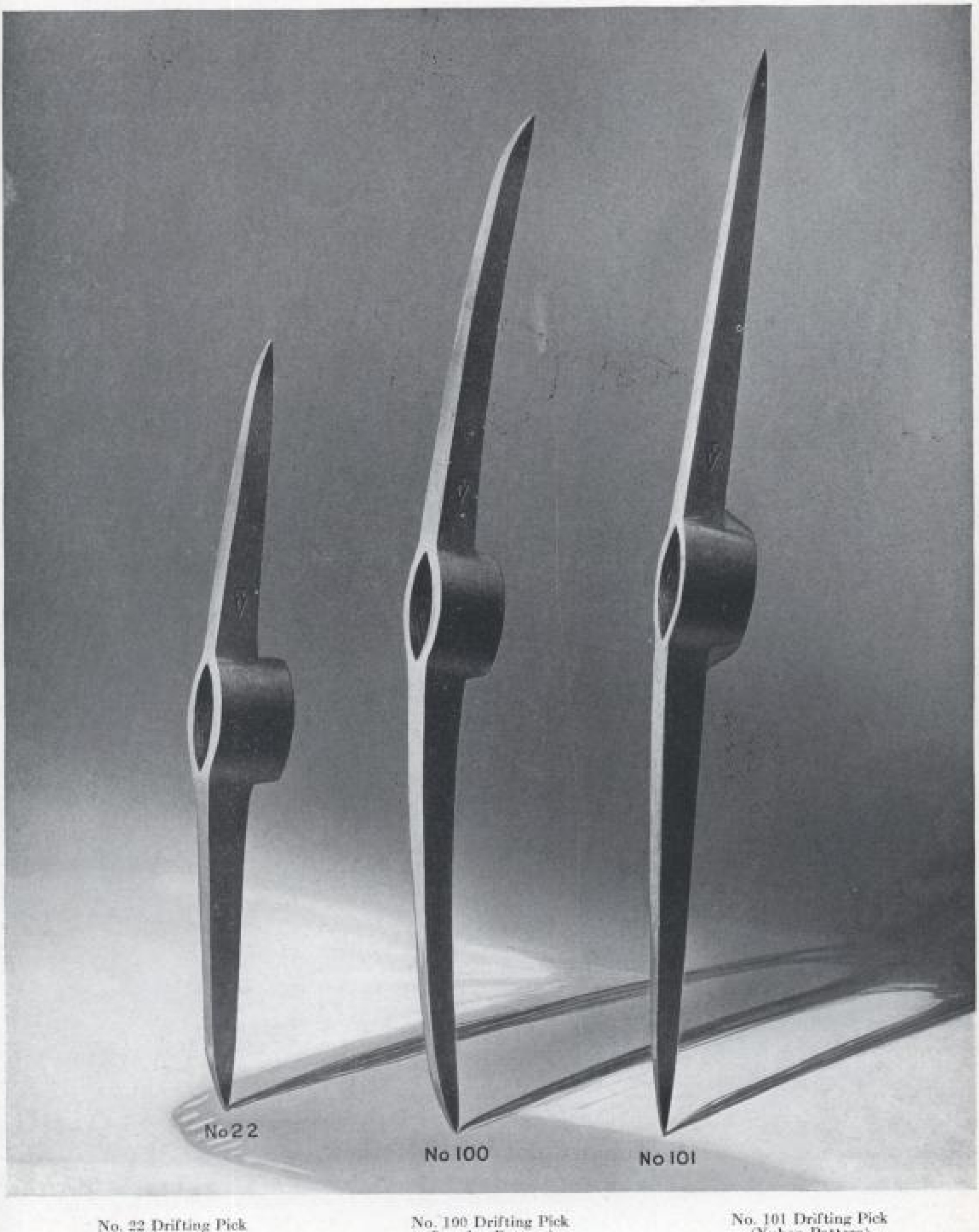
All picks made of the best grade open hearth steel specially tempered
Also furnished in "VERONALLOY", a Special Alloy Steel



No. 3 Tamping Pick (T Tamper)	No. 17 Contractor Pick (Diamond Point or Point and Chisel End)		No. 99 Quarry Pick	
Weight	Weight	Length	Weight	Length
7-8 Lb.	7 Lb.	28″	7 Lb.	23″
9 Lb.	8 Lb.	29″	8 Lb.	25″
	9 Lb.	30″	9 Lb.	26″

All picks made of the best grade open hearth steel specially tempered

Also furnished in "VERONALLOY", a Special Alloy Steel



No. 22 Drifting Pick
(San Juan Pattern)

Weight	Length
4 Lb.	21"
4½ Lb.	23"
5 Lb.	25"
5½ Lb.	25½"
6 Lb.	26"

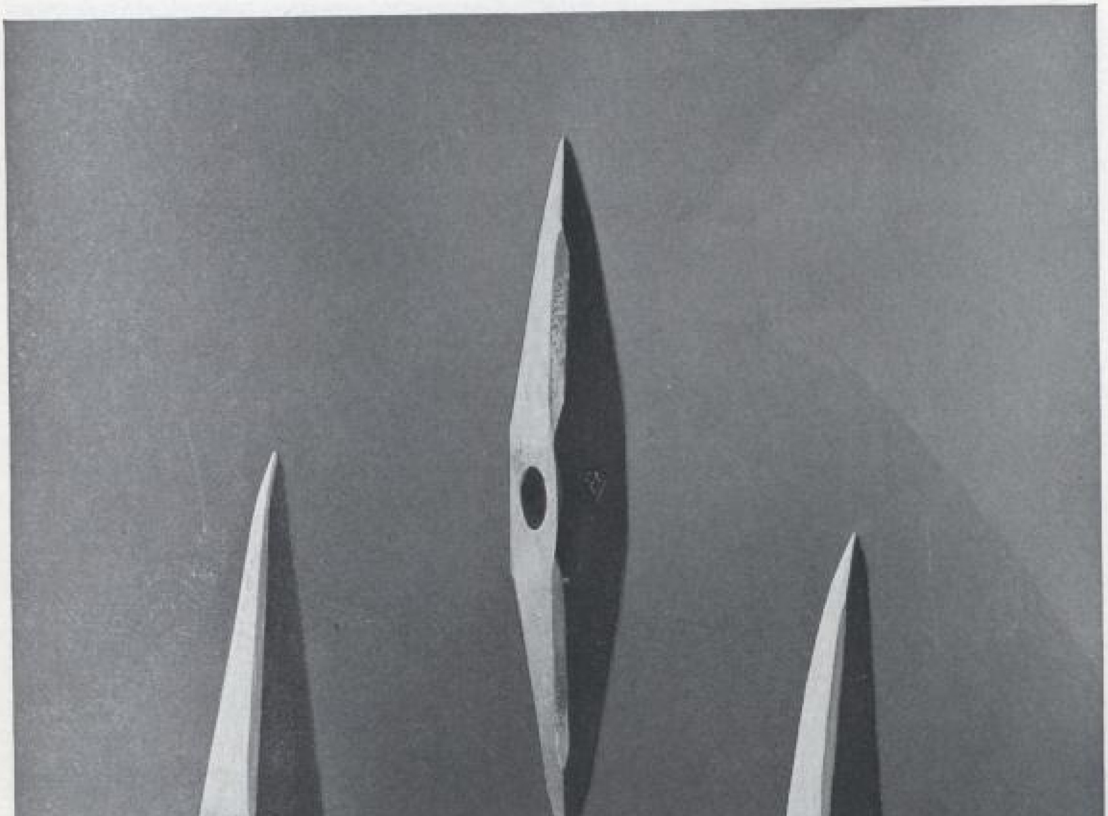
No. 100 Drifting Pick
(Langley Pattern)

Weight	Length
5 Lb.	28"
6 Lb.	30"
7 Lb.	32"

No. 101 Drifting Pick
(Yukon Pattern)

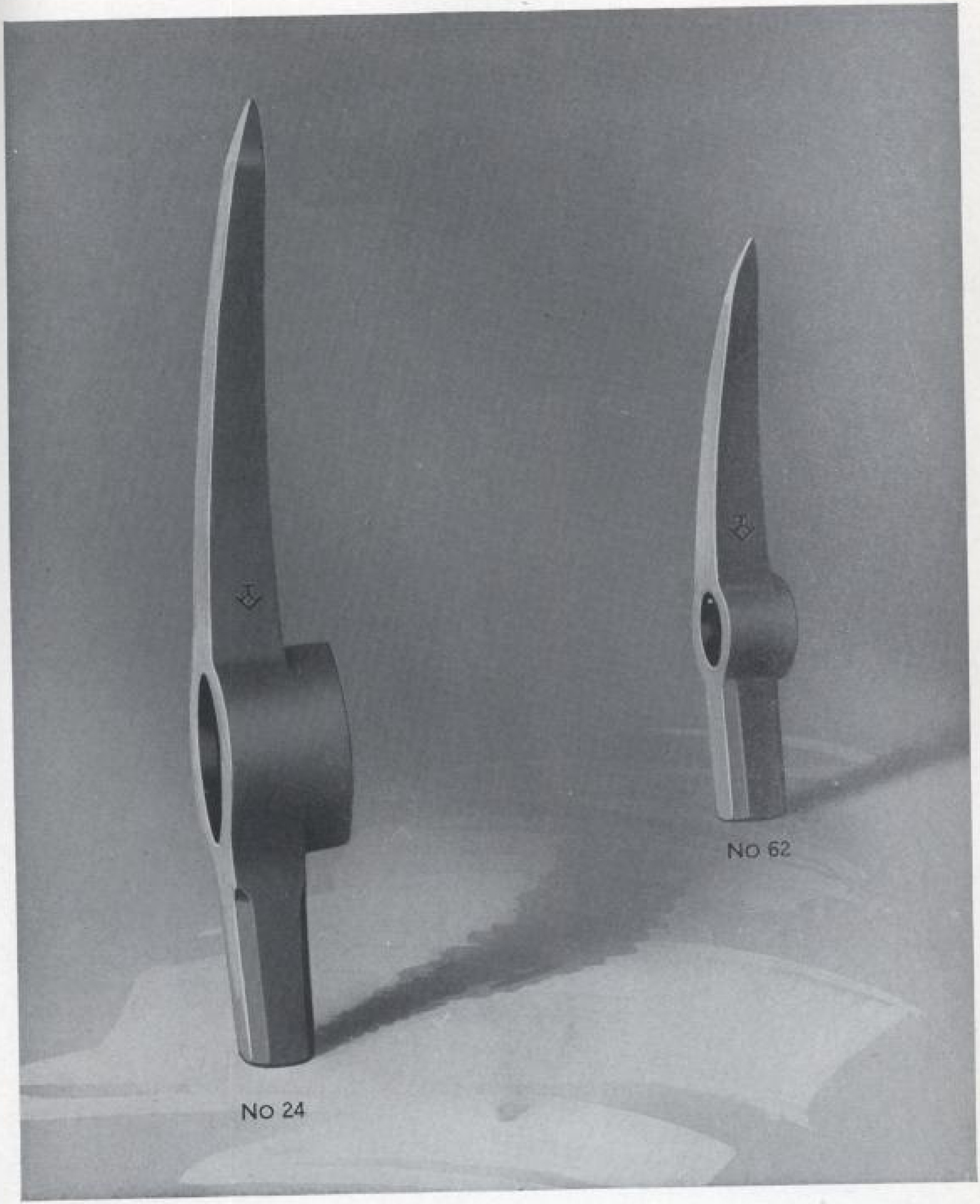
Weight	Length
5 Lb.	28"
6 Lb.	30"
7 Lb.	32"

All picks made of best grade open hearth steel specially tempered



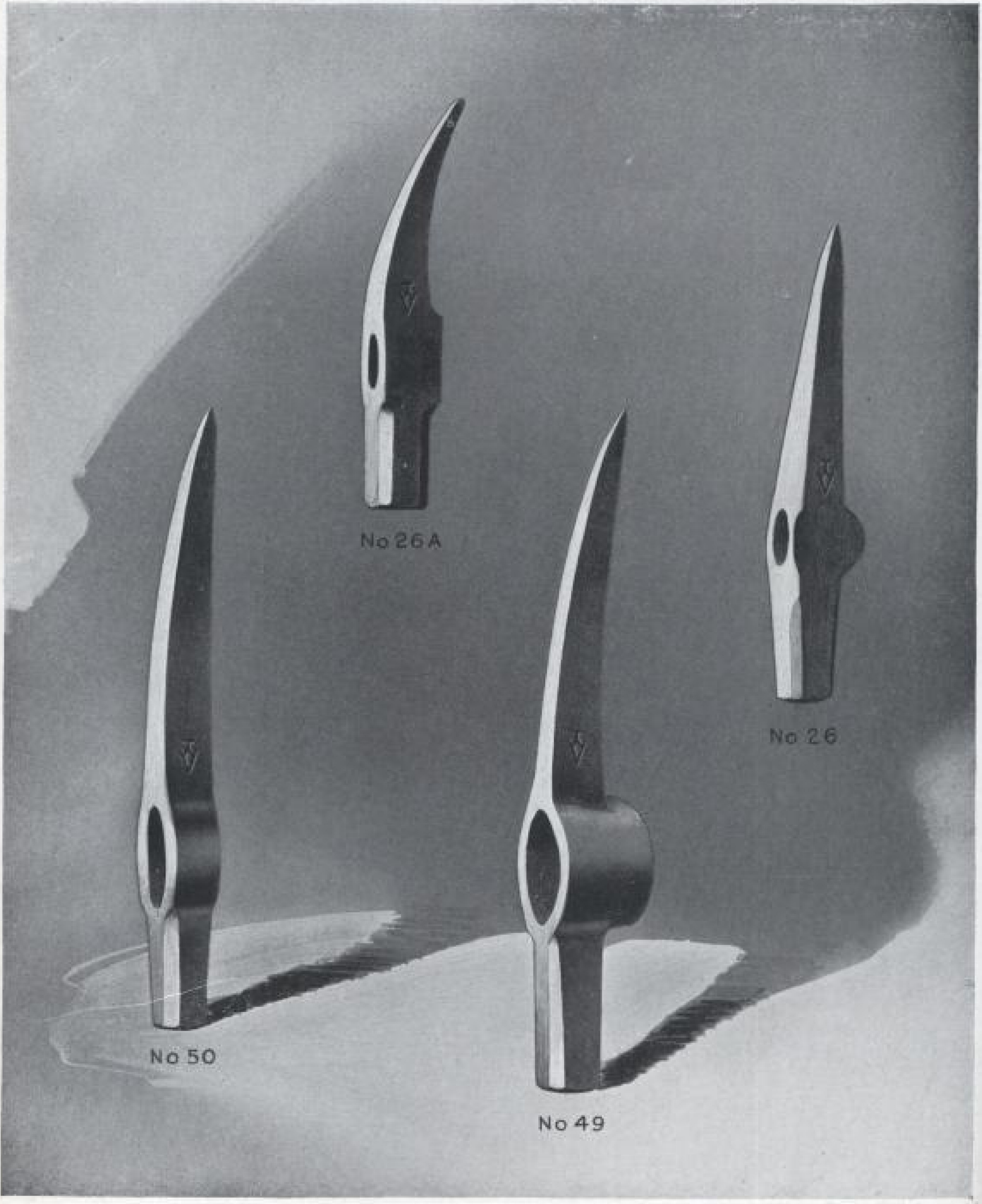
No. 25. Quarry Pick. Weights 7 and 8 pounds.
No. 103. Concrete Pick. Weights 8, 9 and 10 pounds.
No. 23. Stone Pick. Weights 6, 7 and 8 pounds.

All picks made of best grade open hearth steel specially tempered



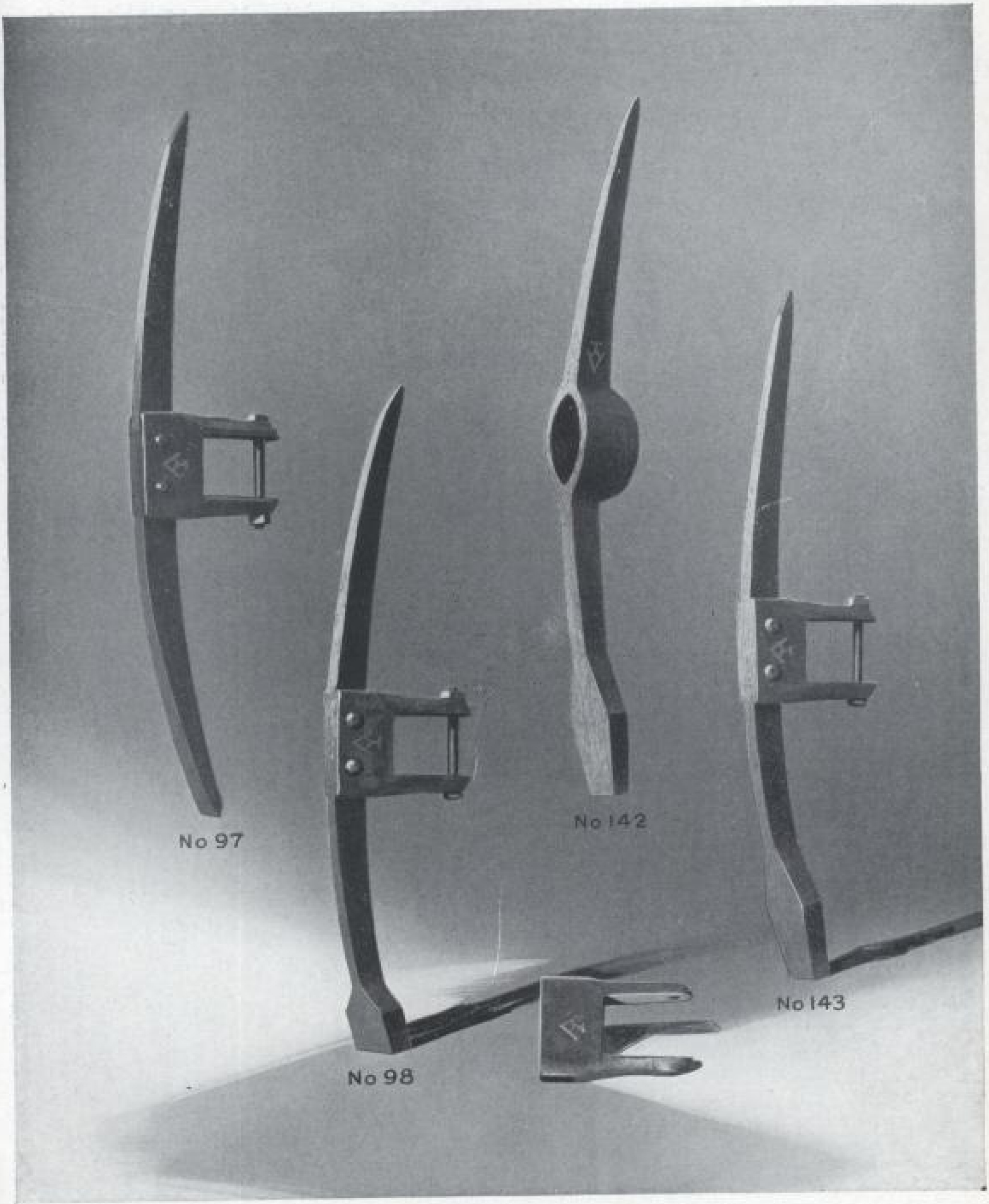
No. 24. Poll Pick. Weights 4 pound, 15-inch; 5 pound, 16-inch; and 6 pound, 17-inch.
No. 62. Prospectors' Pick. Weights 1½ to 3 pounds.

All picks made of best grade open hearth steel specially tempered



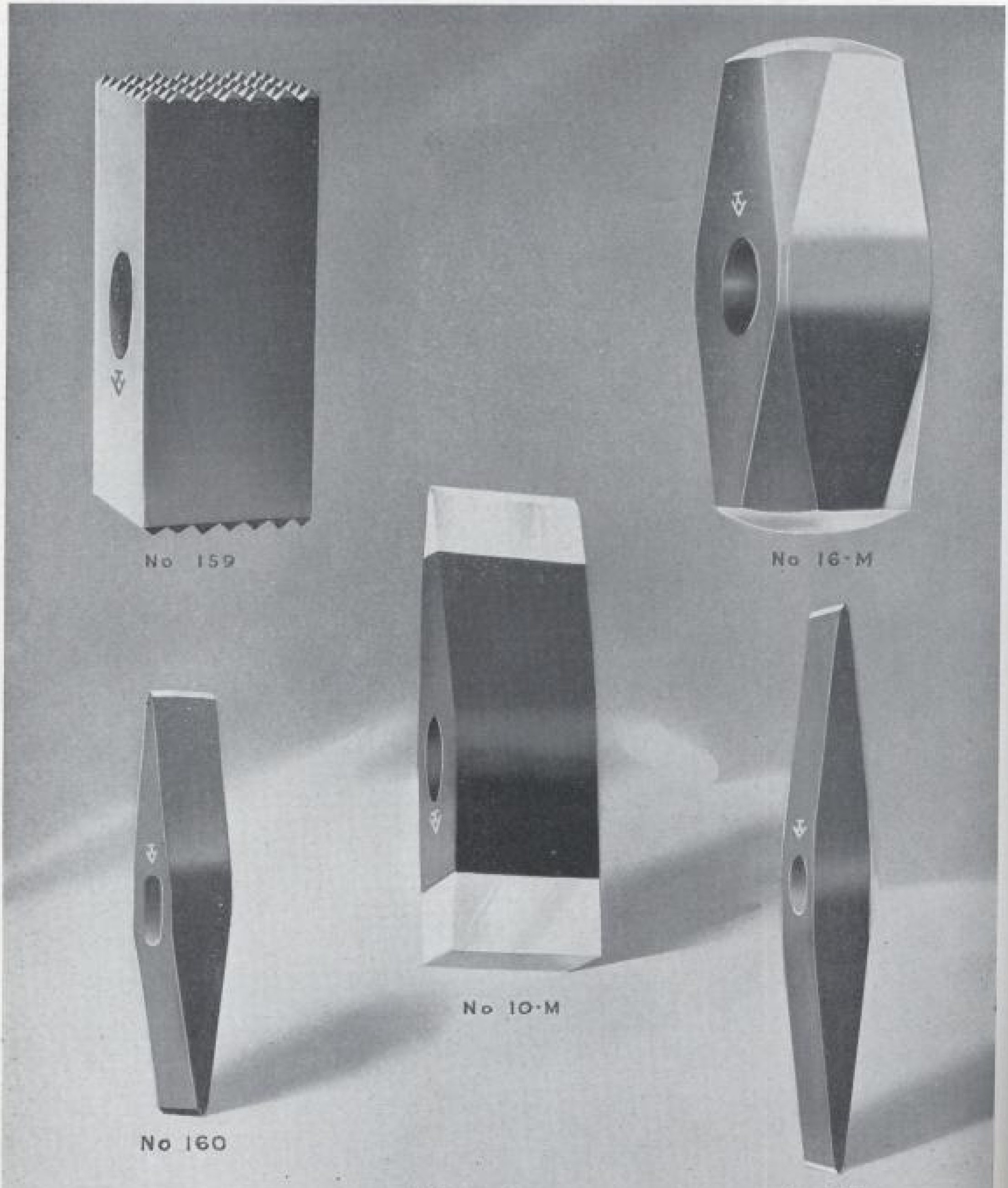
No. 26A.	Locomotive Pick.	Weight 4 pounds.
No. 26.	Locomotive Pick.	Weights 4 and 5 pounds.
No. 50.	Iron Mining Pick.	Weights 5, 6 and 7 pounds.
No. 49.	Iron Mining Pick.	Weights 5 to 8 pounds.

All picks made of best grade open hearth steel specially tempered

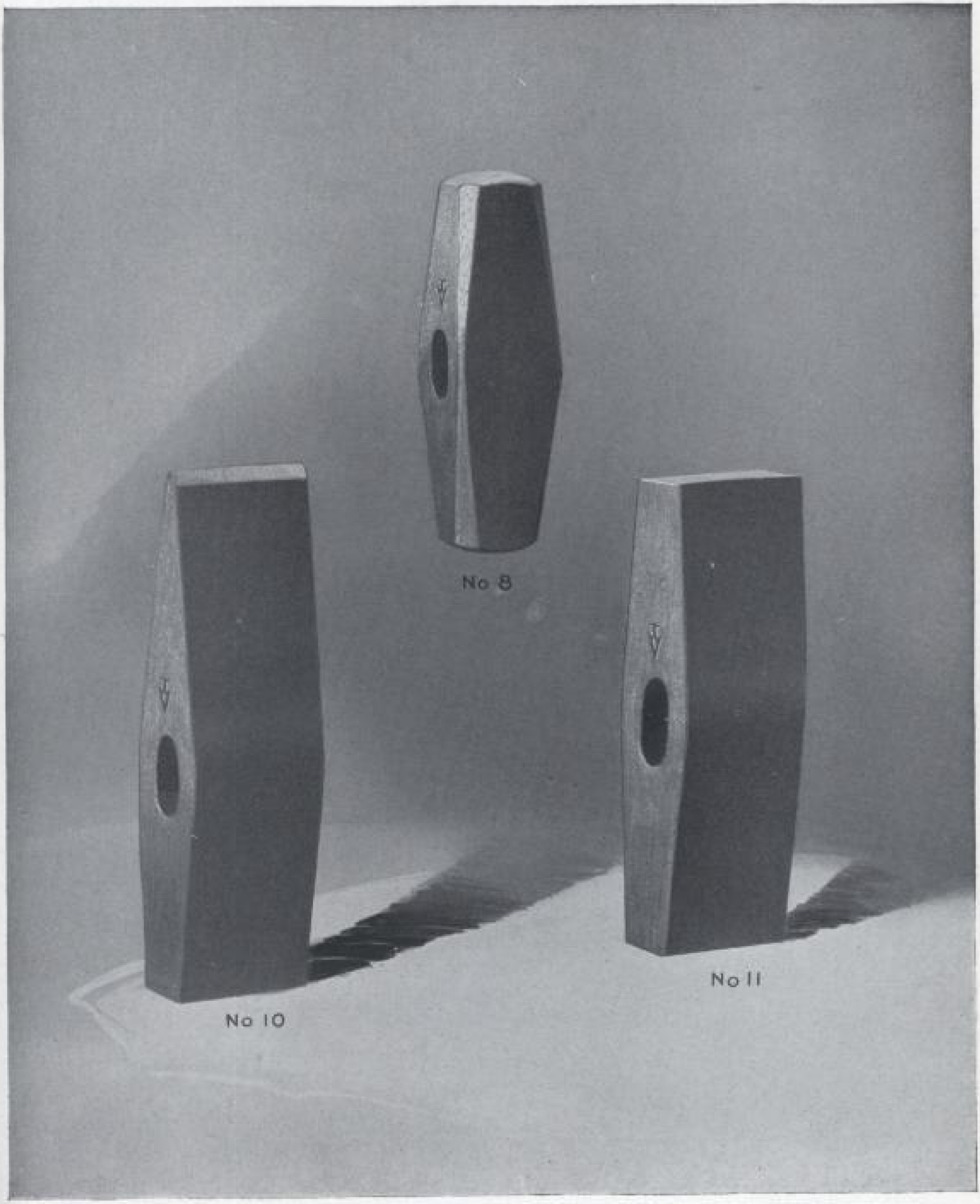


No. 97. Eyeless Clay Pick. Casting malleable iron, cast in one piece.
No. 98. Eyeless Tamping Pick. Casting malleable iron, cast in one piece. Either V or T ends as desired.
No. 142. Diamond Stone Tamping Pick. Designed for tamping stone ballast.
No. 143. Diamond Stone Tamping Pick, eyeless. Designed for tamping stone ballast.

All picks made of best grade open hearth steel specially tempered



No. 159 Bush Hammer	No. 16-M Striking Hammer Missouri Pattern		No. 10-M Mason Hammer		No. 160 Boiler Pick or Scaling Hammer	No. 102 Mill Pick
Weight	Weight	Length	Weight	Length	Weight	Weight
4 Lb.	8 Lb.	6¼″	3 Lb.	5½″	1 Lb.	1½ Lb.
6 Lb.	10 Lb.	6¾″	4 Lb.	6″	2 Lb.	2 Lb.
8 Lb.	12 Lb.	7¼″	5 Lb.	6½″		2½ Lb.
	14 Lb.	8″	6 Lb.	7″		3 Lb.



No. 8 Napping Hammer

Weight	Length
2 Lb.	5"
3 Lb.	5¾"
4 Lb.	6¼"
5 Lb.	6½"
6 Lb.	6¾"
8 Lb.	7¼"

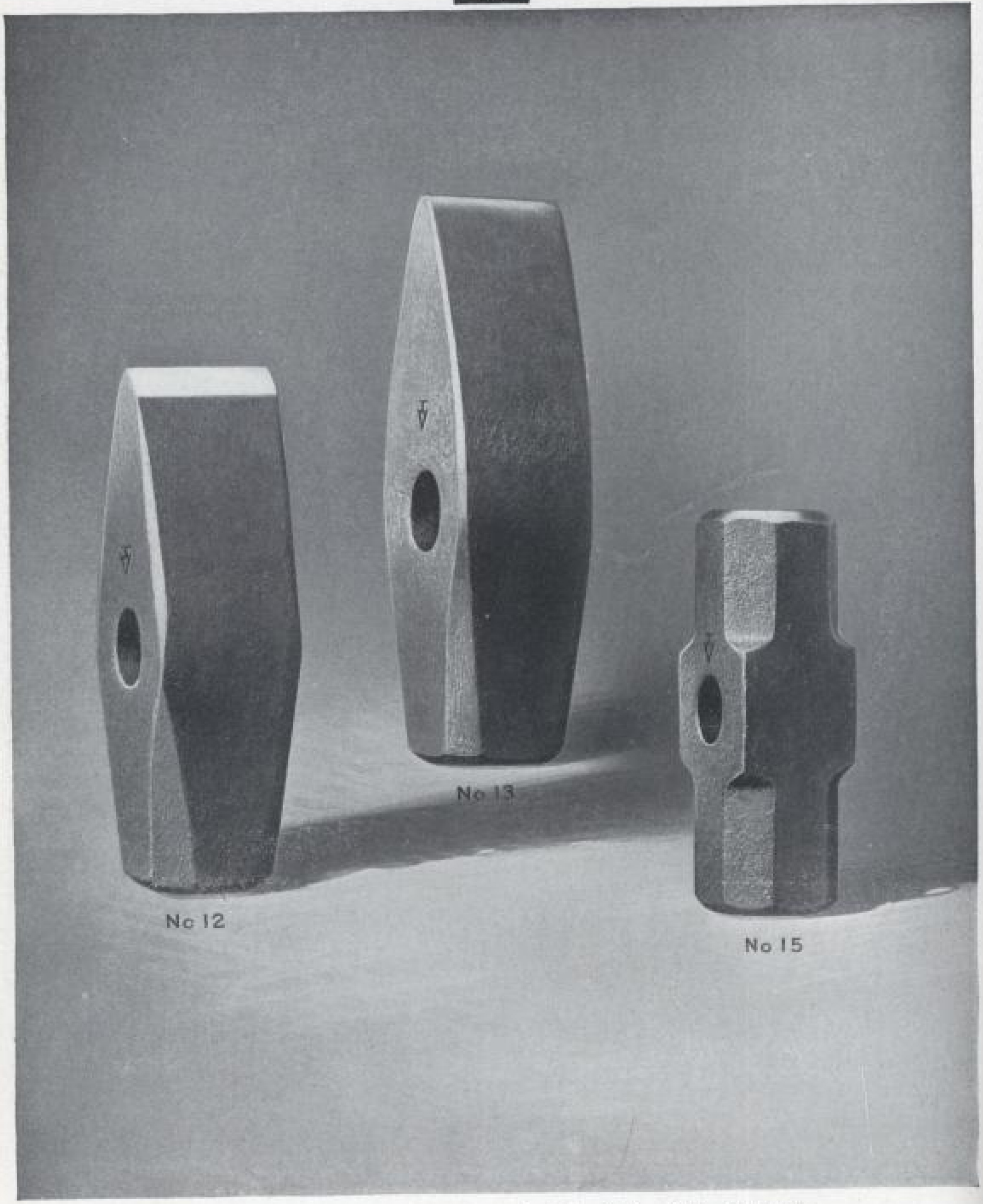
No. 10 Single Face Spalling Hammer

Weight	Length	Weight	Length
3 Lb.	5¾"	12 Lb.	8¾"
4 Lb.	6"	14 Lb.	9¼"
5 Lb.	6¼"	16 Lb.	9½"
6 Lb.	6½"	18 Lb.	9¾"
8 Lb.	7¾"	20 Lb.	10½"
10 Lb.	8¼"		

No. 11 Double Face Spalling Hammer

Weight	Length
8 Lb.	6½"
10 Lb.	6¾"
12 Lb.	7"
14 Lb.	7½"
16 Lb.	8"

All hammers specially heat treated and tempered



No. 12 Stone Sledge (Flat or Oval Face)
Cutting Edge

Weight	Length
8 Lb.	7¼″
10 Lb.	7¾″
12 Lb.	8¼″
14 Lb.	8¾″
16 Lb.	9¼″
18 Lb.	9½″
20 Lb.	9¾″
24 Lb.	10¼″

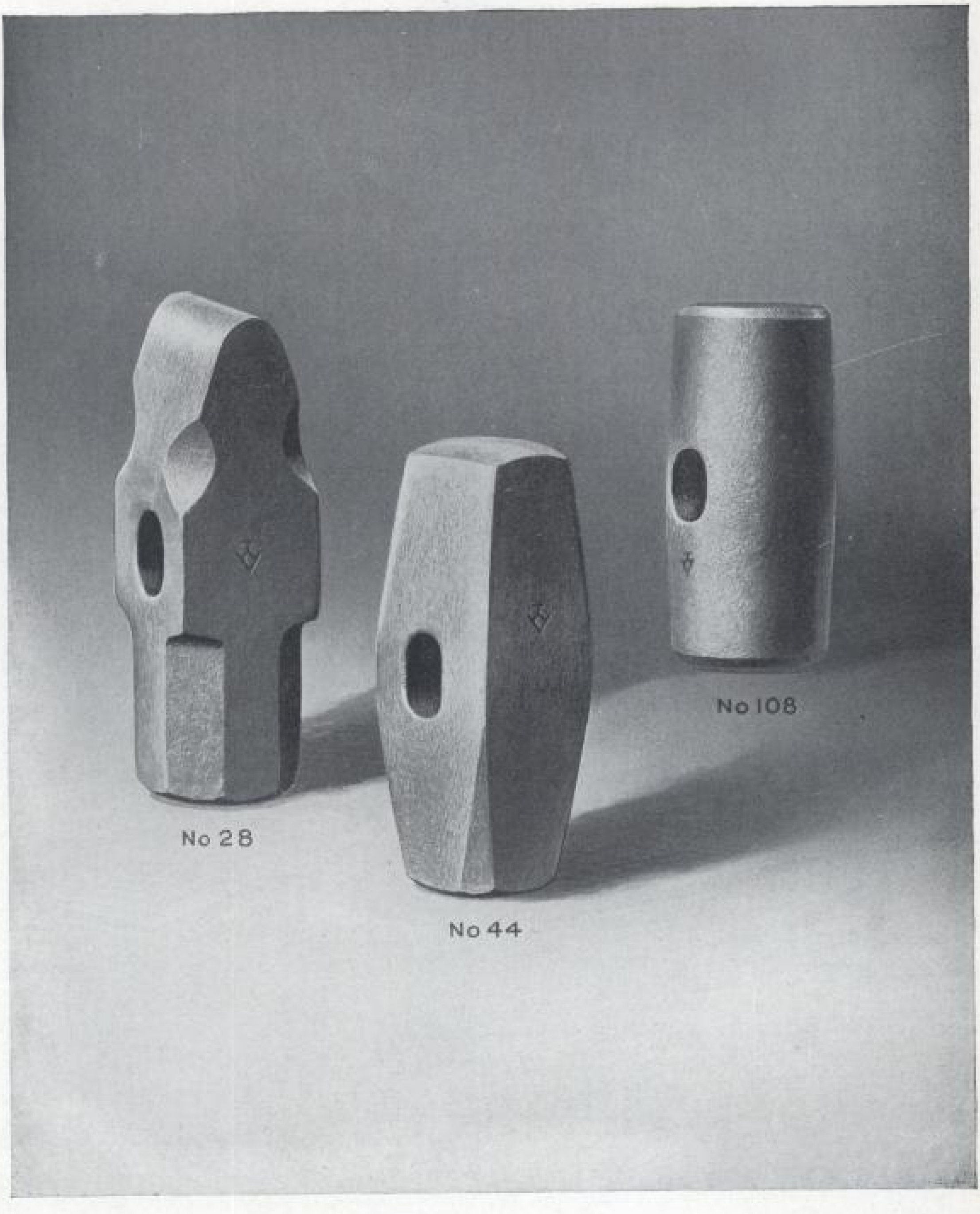
No. 15 Double Face Blacksmith's Sledge
A. R. E. A. Plan No. 13

Weight	Length
2 Lb.	4¼″
2½ Lb.	4½″
3 Lb.	4¾″
4 Lb.	5¼″
5 Lb.	5½″
6 Lb.	6″
8 Lb.	6½″
10 Lb.	7″
12 Lb.	7½″
14 Lb.	8″
16 Lb.	8¼″
18 Lb.	8½″
20 Lb.	8¾″
24 Lb.	9¼″

No. 13 Stone Sledge Flat or Oval Face. Weight and Length same as above.

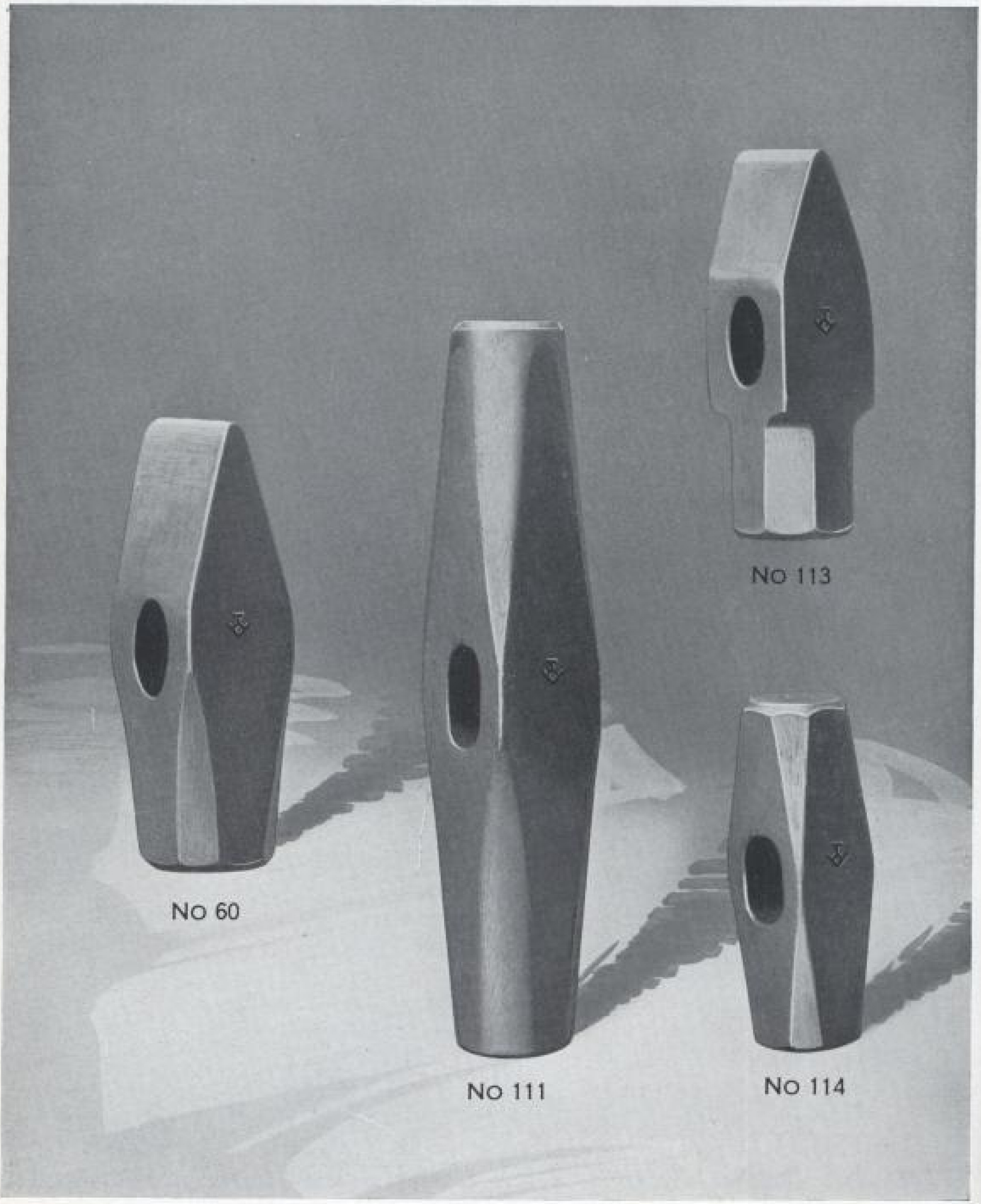
Also furnished in "VERONALLOY", a Special Alloy Steel

All sledges specially heat treated and tempered



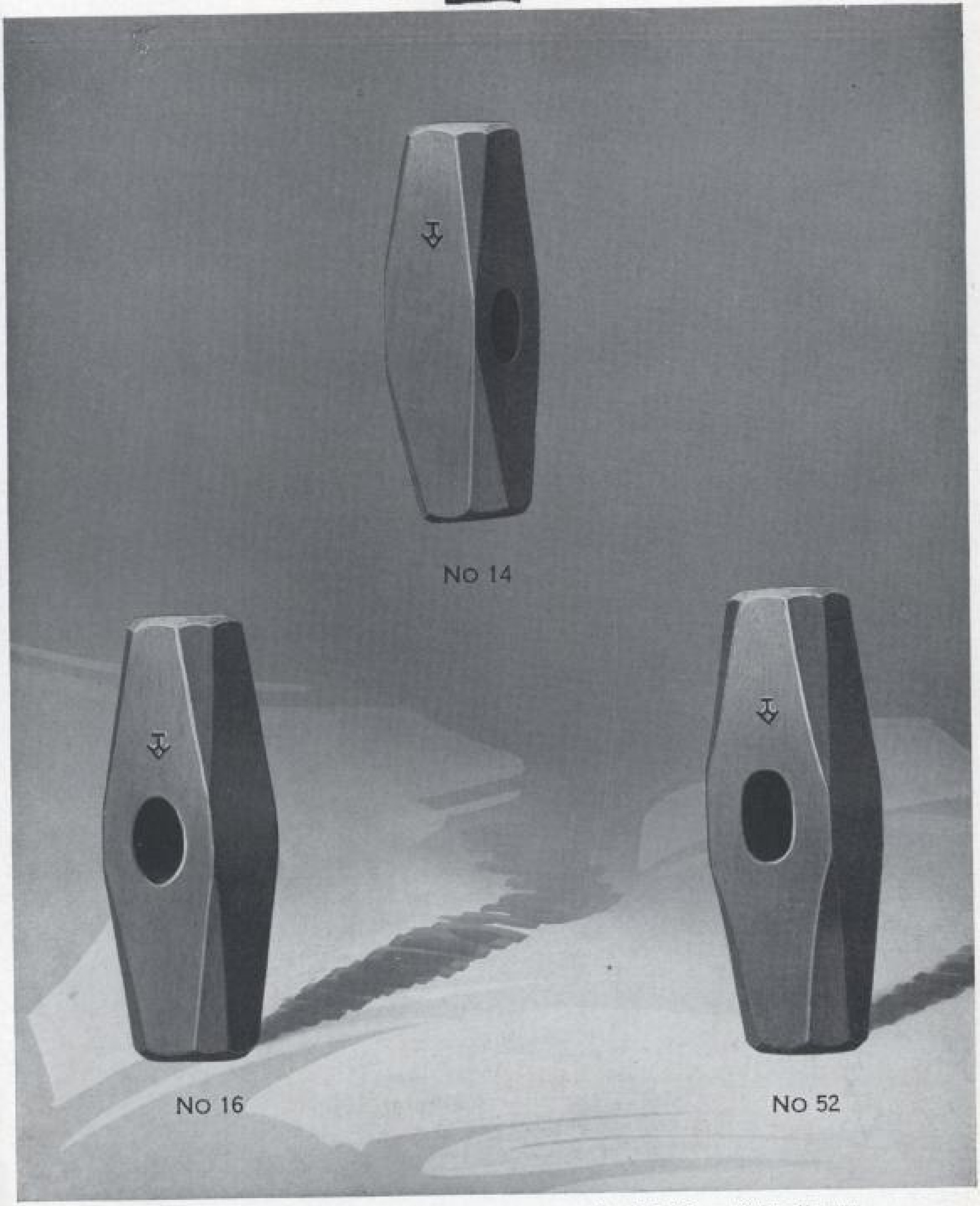
No. 28 Blacksmith's Sledge (Cross or Straight Pein)				No. 44 Ore Sledge	No. 108 Molders Sledge
Weight	Length	Weight	Length	Weight	Weight
6 Lb.	6½"	12 Lb.	8"	6 to 14 Lbs.	10 Lbs.
8 Lb.	7"	14 Lb.	8½"		
10 Lb.	7½"	16 Lb.	9"		

All sledges specially heat treated and tempered



No. 60. Blacksmiths-Hand Hammer. Weights 1½ to 4 pounds.
No. 111. Riveting Hammer. Standard weight 5 pounds.
No. 113. Blacksmiths' Hand Hammer (Straight or Cross Pien). Weights 1½ to 4 pounds.
No. 114. Engineers' Hammer (Double Face). Weights 1½ to 4 pounds.

All hammers specially heat treated and tempered



No. 14 Hand Drilling Hammer

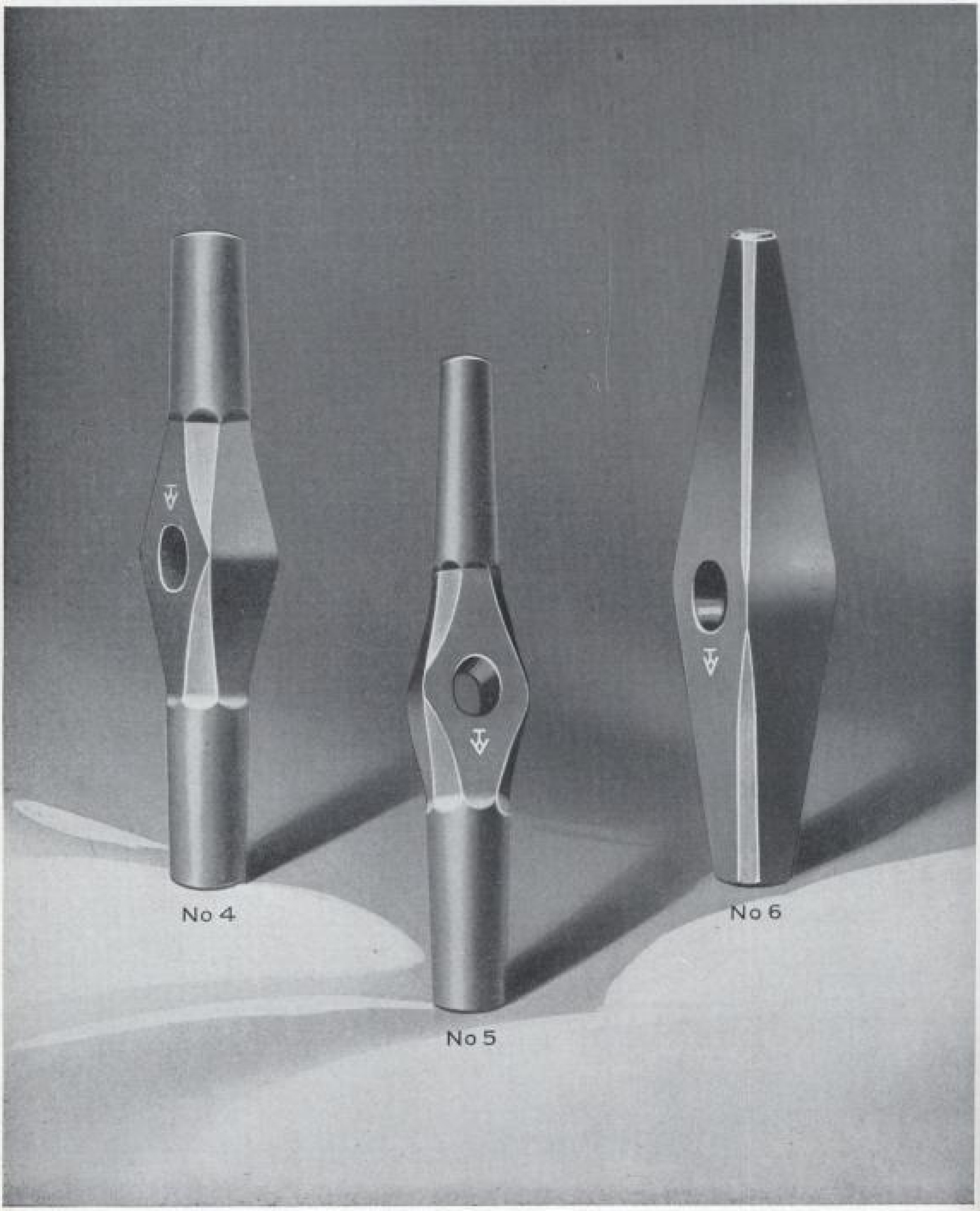
Long Pattern		Short Pattern	
Weight	Length	Weight	Length
3 Lb.	5¼"	2 Lb.	3½"
3½ Lb.	5½"	2½ Lb.	3¾"
4 Lb.	5¾"	3 Lb.	4"
		3½ Lb.	4¼"
		4 Lb.	4½"

No. 16 Striking or Drilling Hammer

Short or Oregon Pattern		Long or Nevada Pattern	
Weight	Length	Weight	Length
3 Lb.	4½"	3 Lb.	5¼"
4 Lb.	5"	3½ Lb.	5½"
6 Lb.	5¾"	4 Lb.	5¾"
7 Lb.	6"	5 Lb.	6¼"
8 Lb.	6¼"	6 Lb.	6½"
10 Lb.	6¾"	7 Lb.	7"
12 Lb.	7¼"	8 Lb.	7¼"
		10 Lb.	7¾"
		12 Lb.	8"
		14 Lb.	8¼"
		16 Lb.	8½"
		20 Lb.	9"

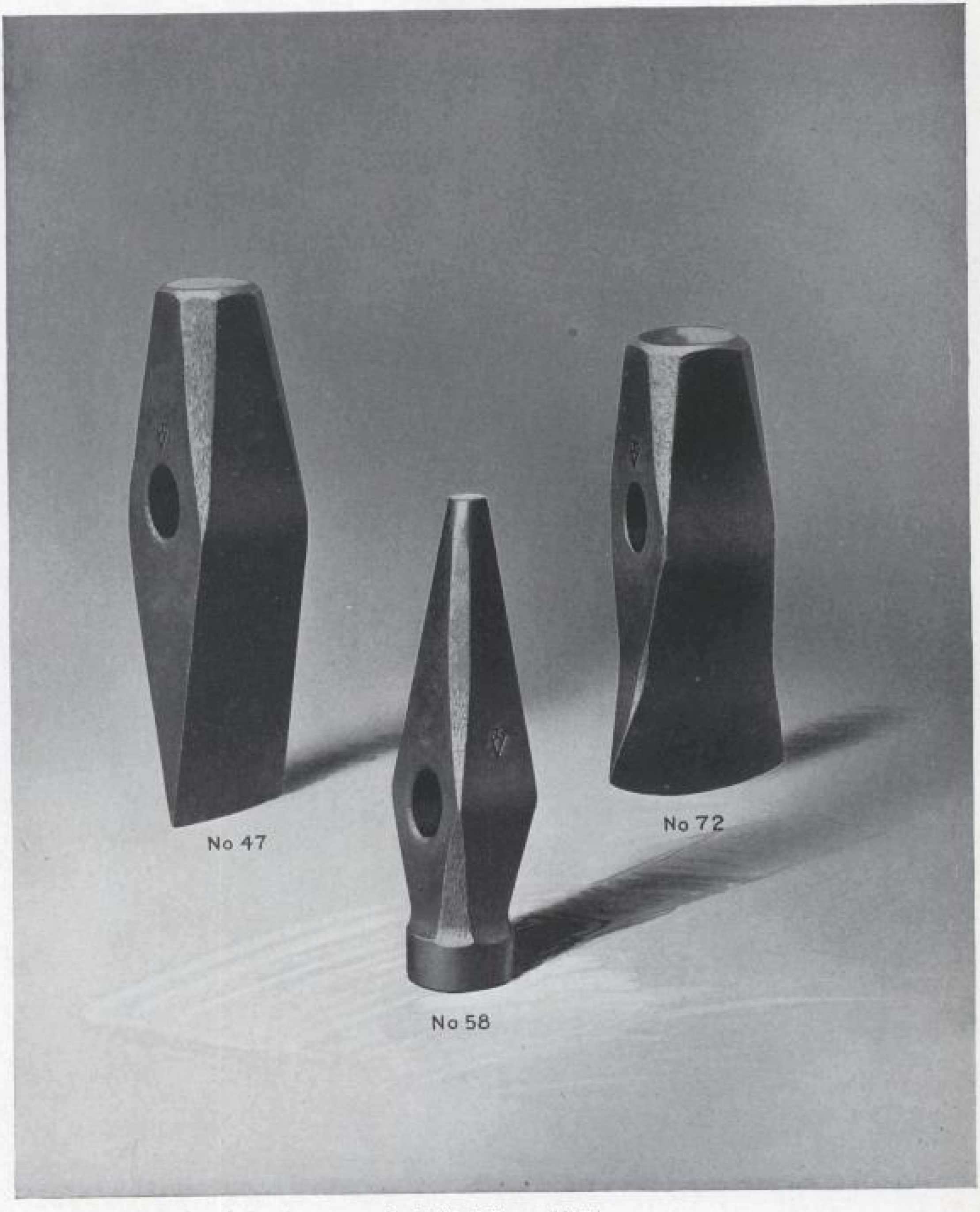
No. 52 Striking or Drilling Hammer. Same Weight and Length as No. 16

Also furnished in "VERONALLOY", a special Alloy Steel
All hammers specially heat treated and tempered



No. 4. Spike Maul. A. R. E. A. No. 1, Plan No. 3, Bell Pattern Weights, 8, 9 and 10 pound, 14-inch. Diameter both faces identical.
No. 5. Spike Maul. A. R. E. A. No. 2, Plan No. 3. Bell Pattern. Weights 8, 9 and 10 pound, 15-inch.
No. 6. Spike Maul. Standard or Railroad Pattern, 6, 8, 9 and 10 pounds.
Also furnished in "VERONALLOY," a Special Alloy Steel

All mauls specially heat treated and tempered



No. 47 Wood Choppers' Maul
Straight Bit

Weight	Length
5 Lb.	7½"
6 Lb.	8"
7 Lb.	8¼"
8 Lb.	8½"

No. 72 Wood Choppers' Maul
(Oregon O Eye)

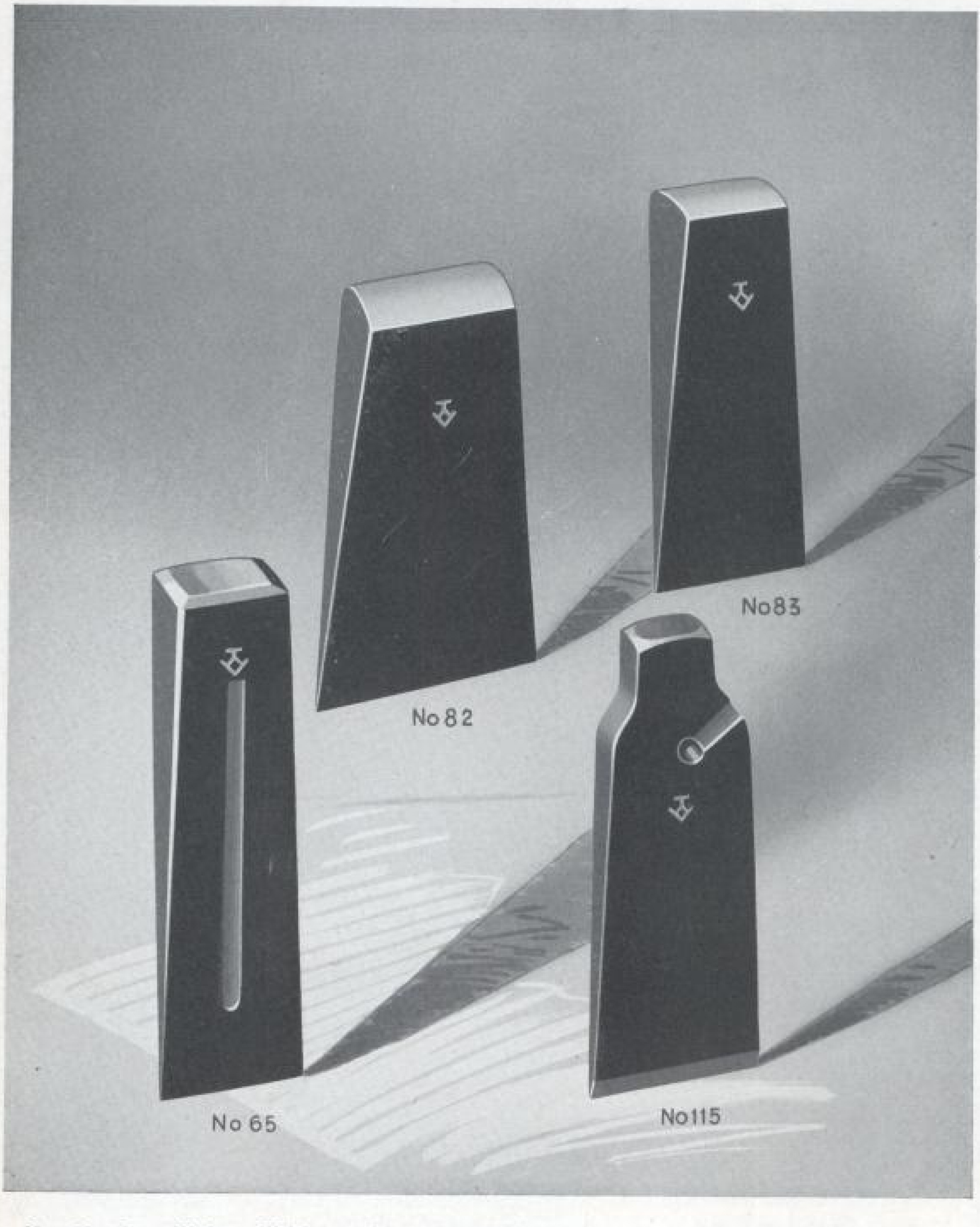
Weight	Length
6 Lb.	8½"
7 Lb.	8⅞"
8 Lb.	9⅛"
9 Lb.	9½"
10 Lb.	9¾"

No. 58 Ship or Top Maul

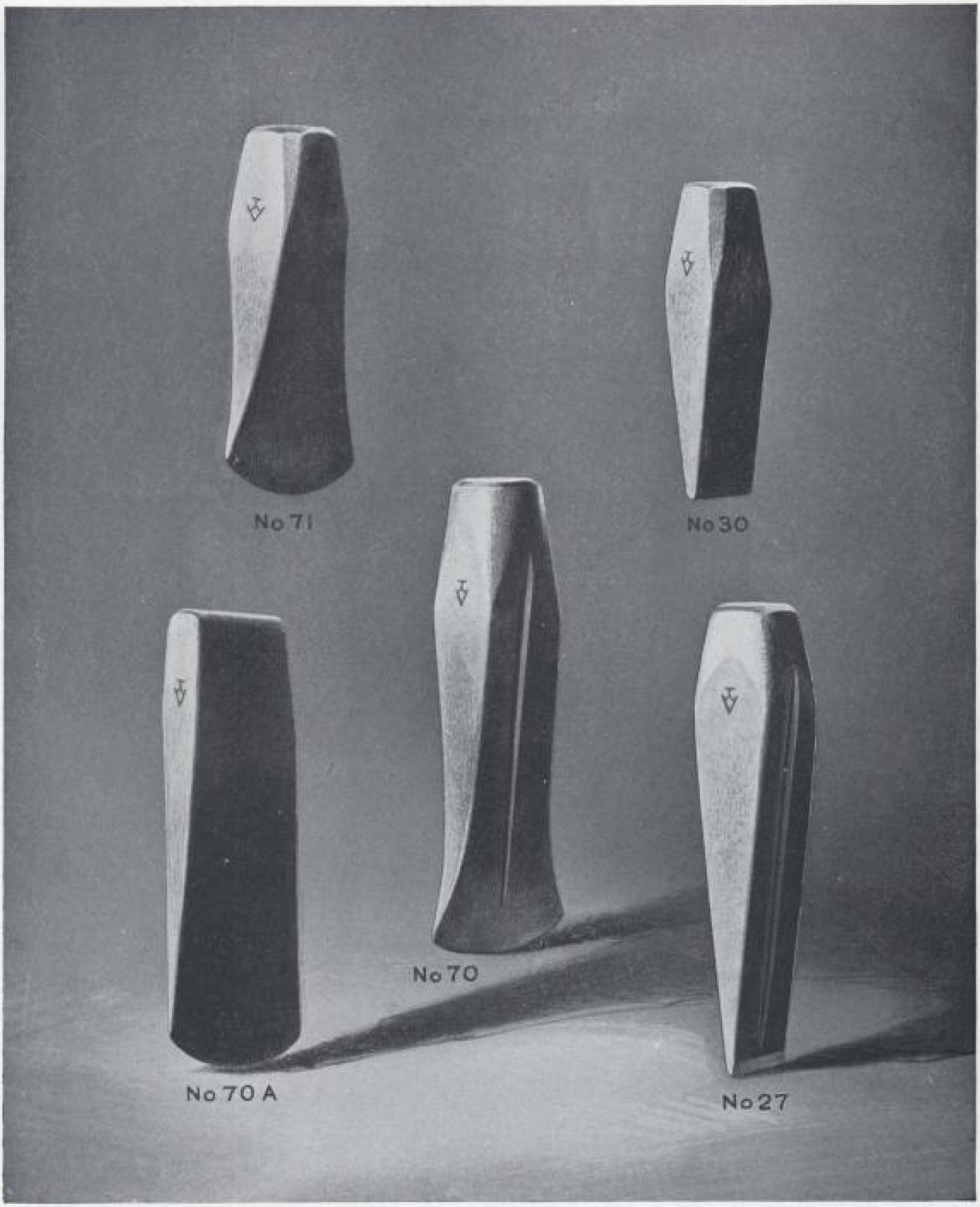
Weight	Length
4 Lb.	8¼"
5 Lb.	8¾"
6 Lb.	9"

No. 72½ Wood Choppers' Maul (Oregon Axe Eye). Single or Double Bit. Weight and Length same as No 72.

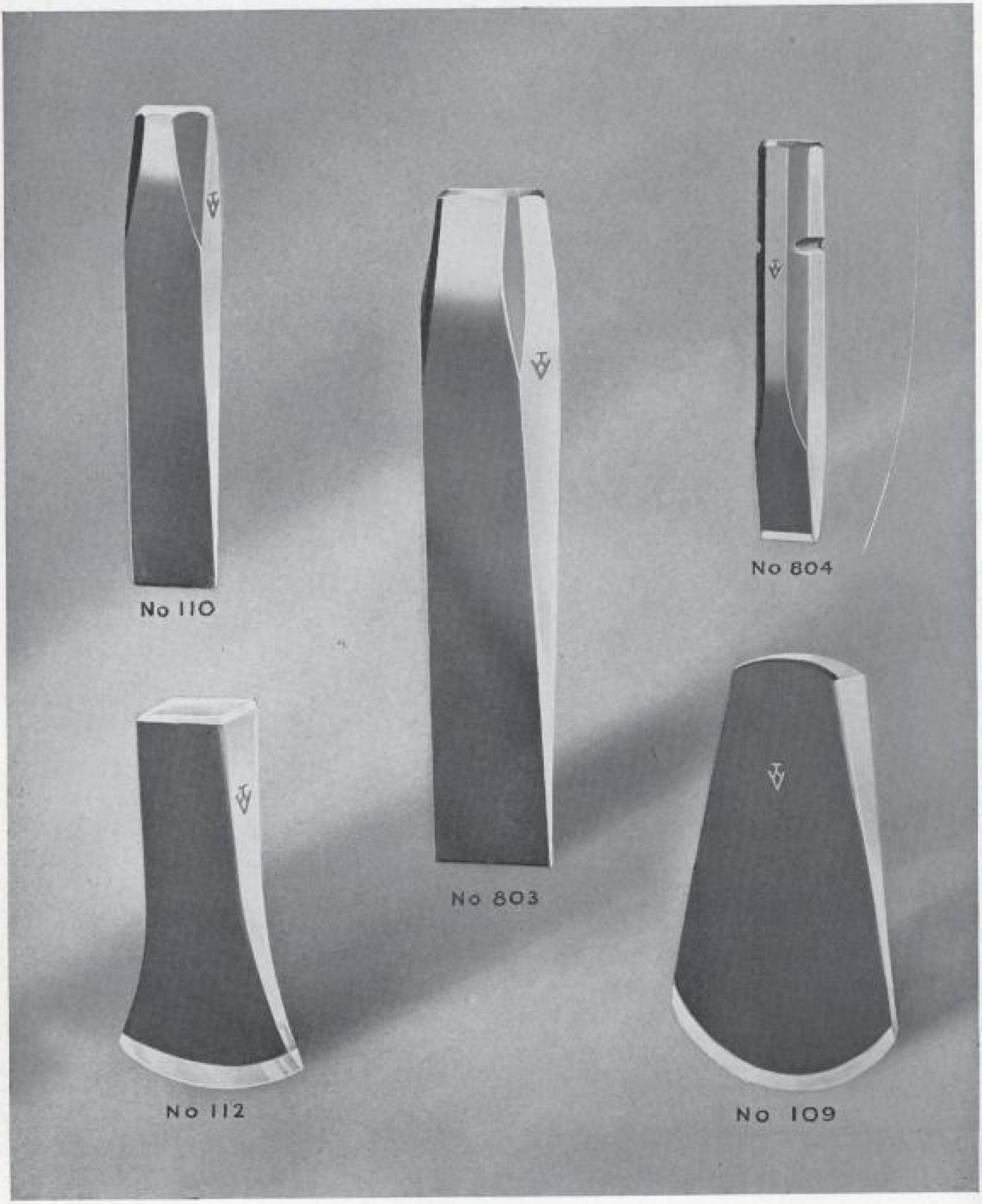
All mauls specially heat treated and tempered



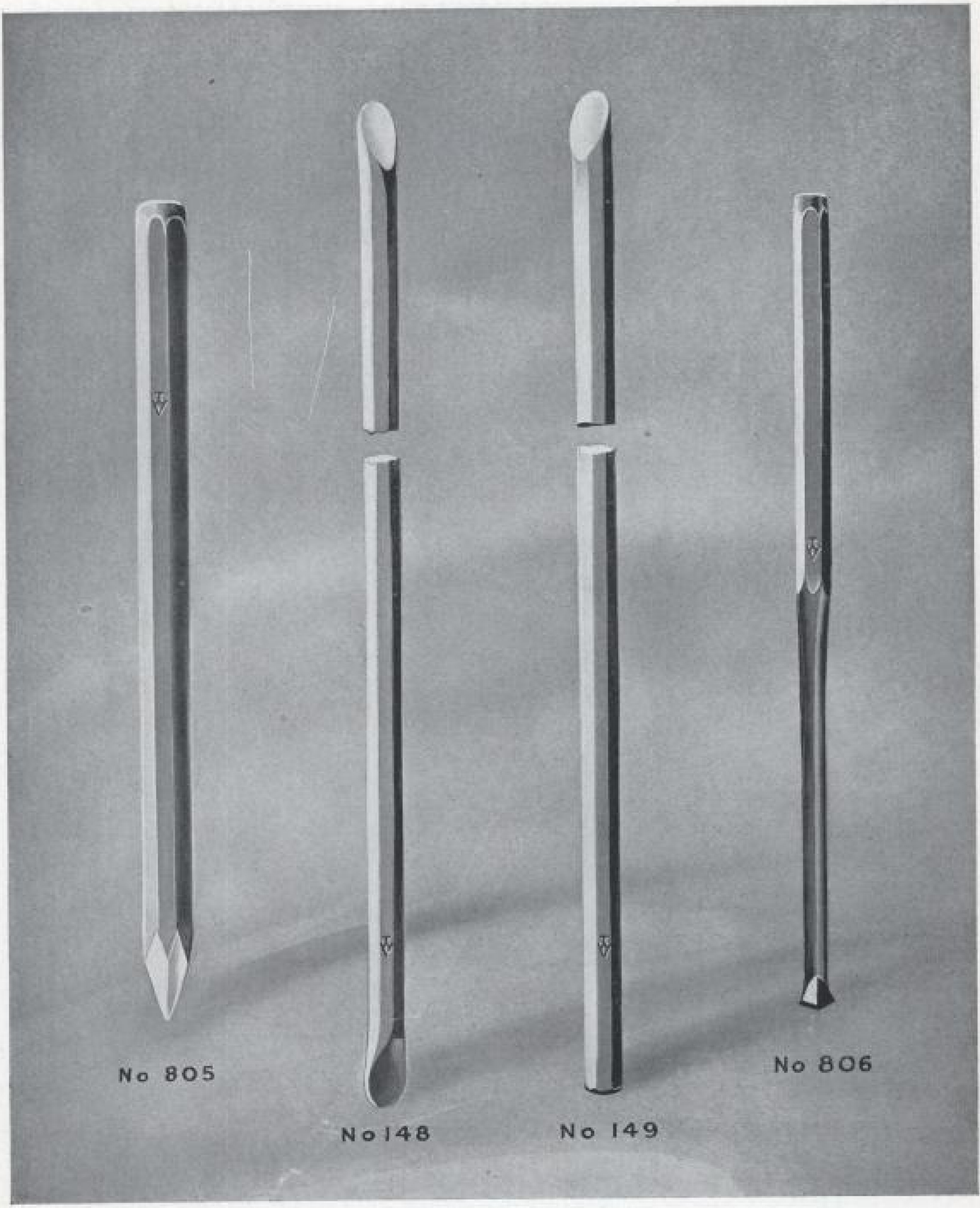
No. 82. Stave Wedge. Weights 3, 3½, 4, 4½ and 5 pounds.
No. 83. Tie Wedge. Weights 3, 3½. 4, 4½ and 5 pounds.
No. 65. Common or Square Head Wedge. Weights 3, 3½, 4, 4½. 5, 6, 7, 8 and 10 pounds.
No. 115. Improved Saw Wedge. Weights ½, ¾, 1, 1½, 2, 2½ and 3 pounds.



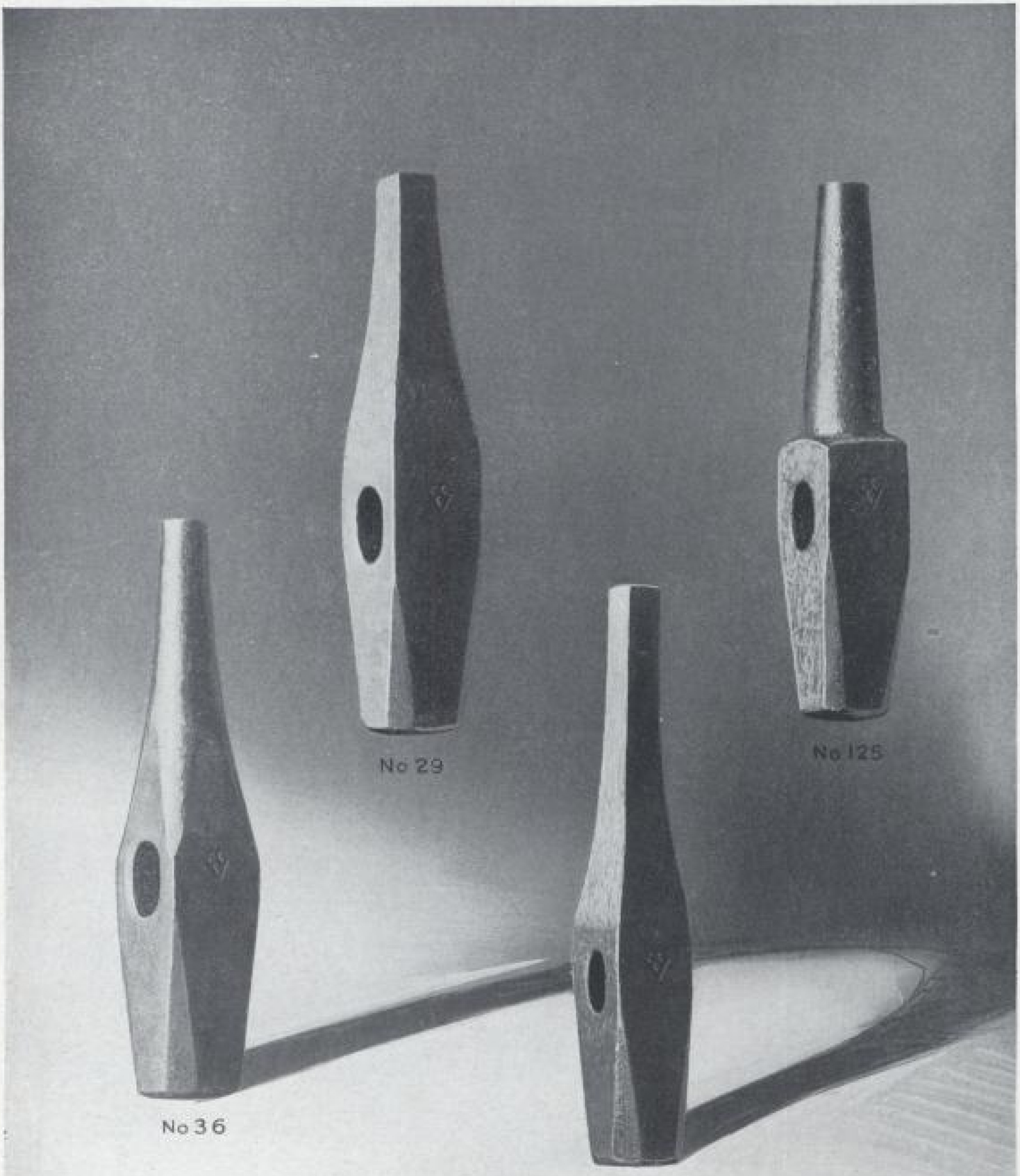
No. 71. Splitting Wedge (Oregon Pattern). Weights 5, 6, 7 and 8 pounds.
No. 30. Stone Wedge. Weights 1½, 2, 3 and 4 pounds.
No. 70A. Falling Wedge. Weights 5, 6, 7, 8, 9 and 10 pounds.
No. 70. Truckee Wedge. Flared Bit. Weights 4, 5, 6 and 8 pounds.
No. 27. Truckee Pattern Wedge. Weights 3, 3½, 4, 4½, 5, 6, 7, 8 and 10 pounds.



No. 110. Falling Wedge, Lake Superior. Weights 6 and 8 pounds.
No. 804. Rock Wedge. Weights 4, 5 and 6 pounds.
No. 803. Frost Wedge. Weights 14, 16, 18 and 20 pounds.
No. 112. Cedar Splitting Wedge. Weights 5, 6, 7 and 8 pounds.
No. 109. Bucking Wedge, Pacific Coast. Weights 6, 7 and 8 pounds.

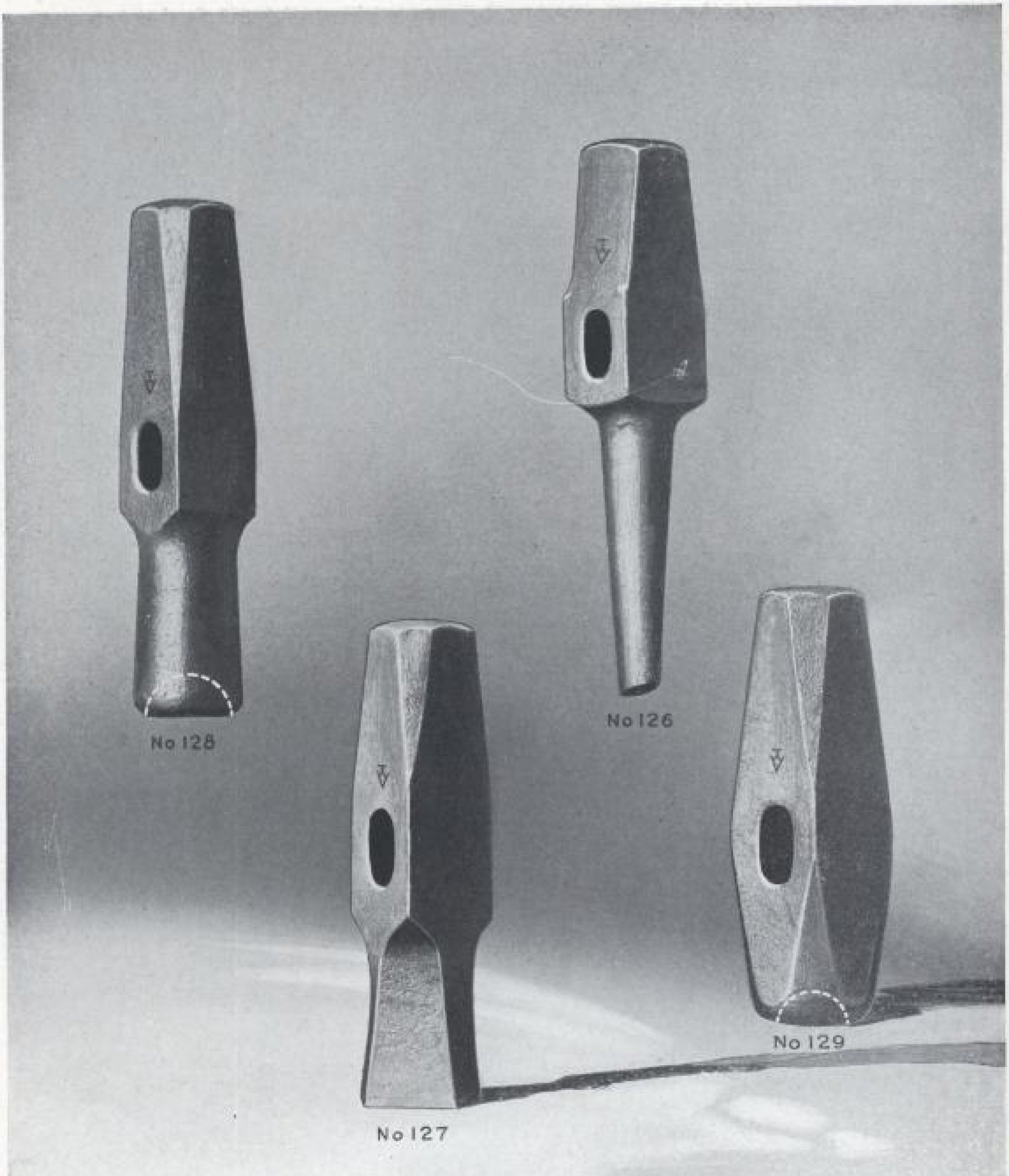


No. 805. Bull Point, Hand. Octagon Steel. Any Length.
No. 148. Stone Drill, Double Bit. Any Length.
No. 149. Stone Drill, Single Bit. Any Length.
No. 806. Plug Drill, Hand. ⅝″ bit 18″ and ¾″ bit 18″.



No. 36. Track Punch (Round Point). A. R. E. A. Plan 19. ⅜-inch to 1-inch.
No. 29. Track Punch (Square Point). Weight 5 pounds.
No. 29A. Tie Plug Punch. A. R. E. A. Plan No. 18. Weight 3½ pounds.
No. 125. Backing Out Punch. Sizes ⅜-inch to 1-inch.

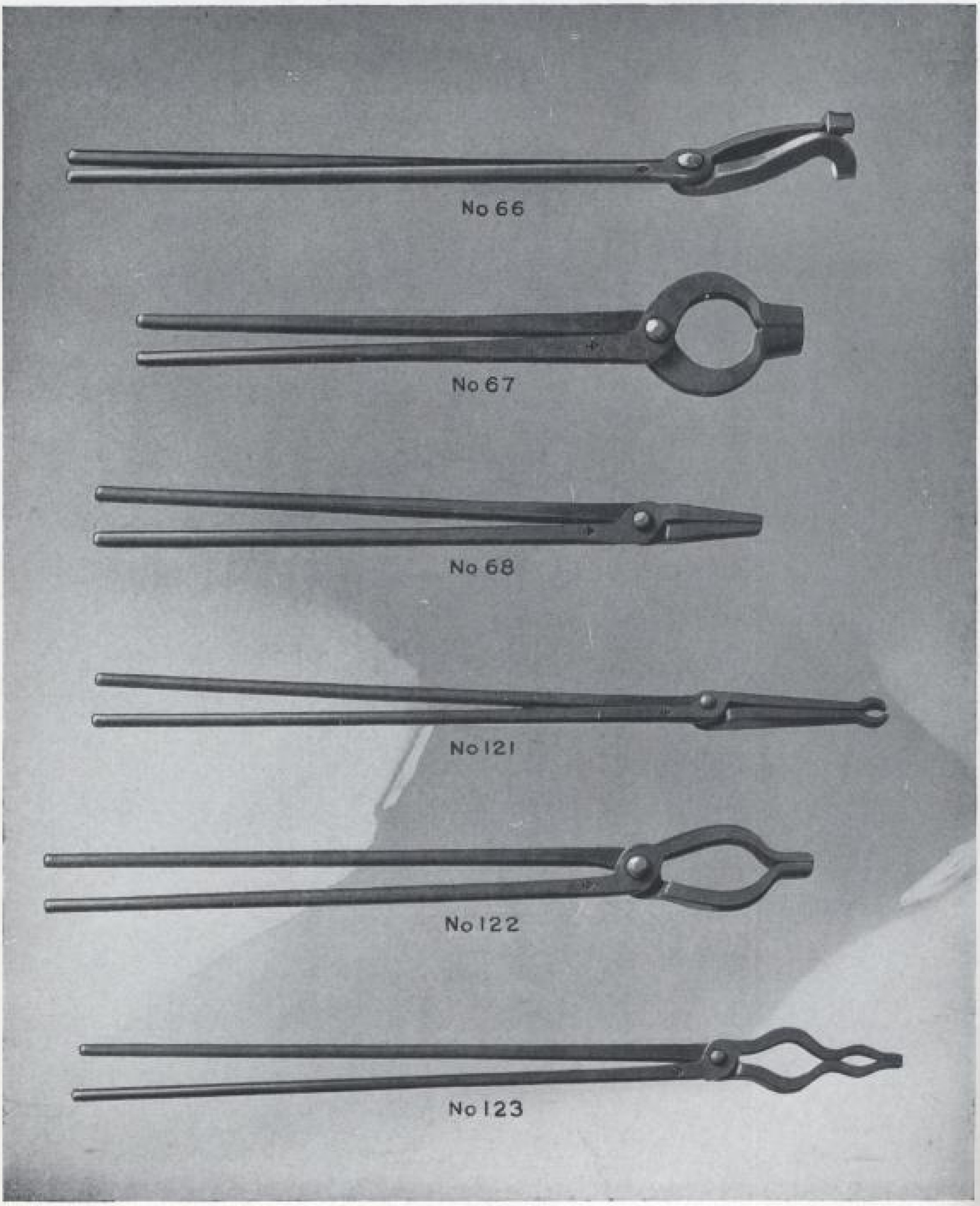
All made of special steel, heat treated



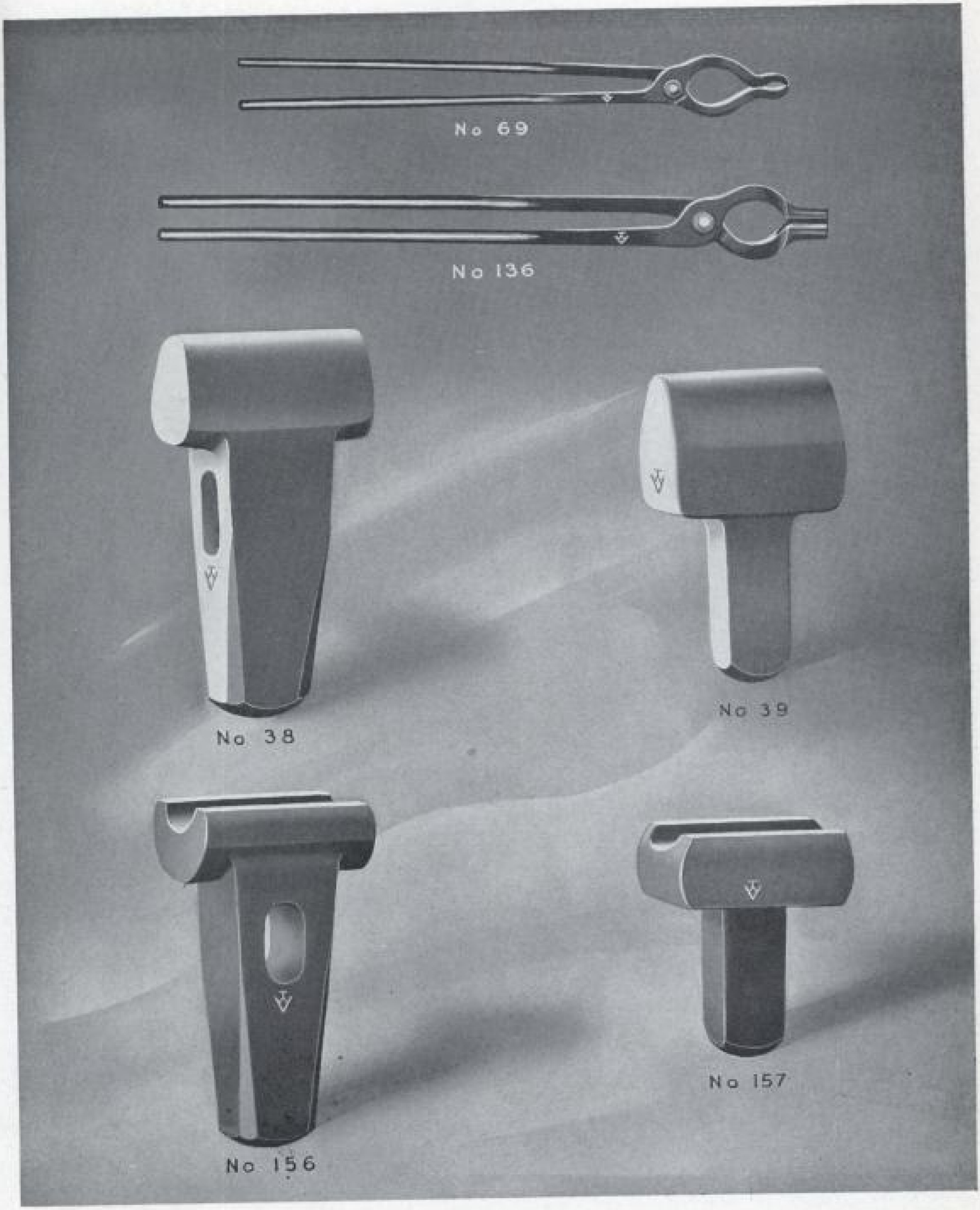
No. 128. Button Set.
No. 127. Rivet Busters. Weight 3, 4 and 5 pounds.
No. 126. Handle Gouge. Standard weight 3¼ pounds.
No. 129. Button Set.

Button sets made for rivets ½-inch and up.

All special steel, heat treated

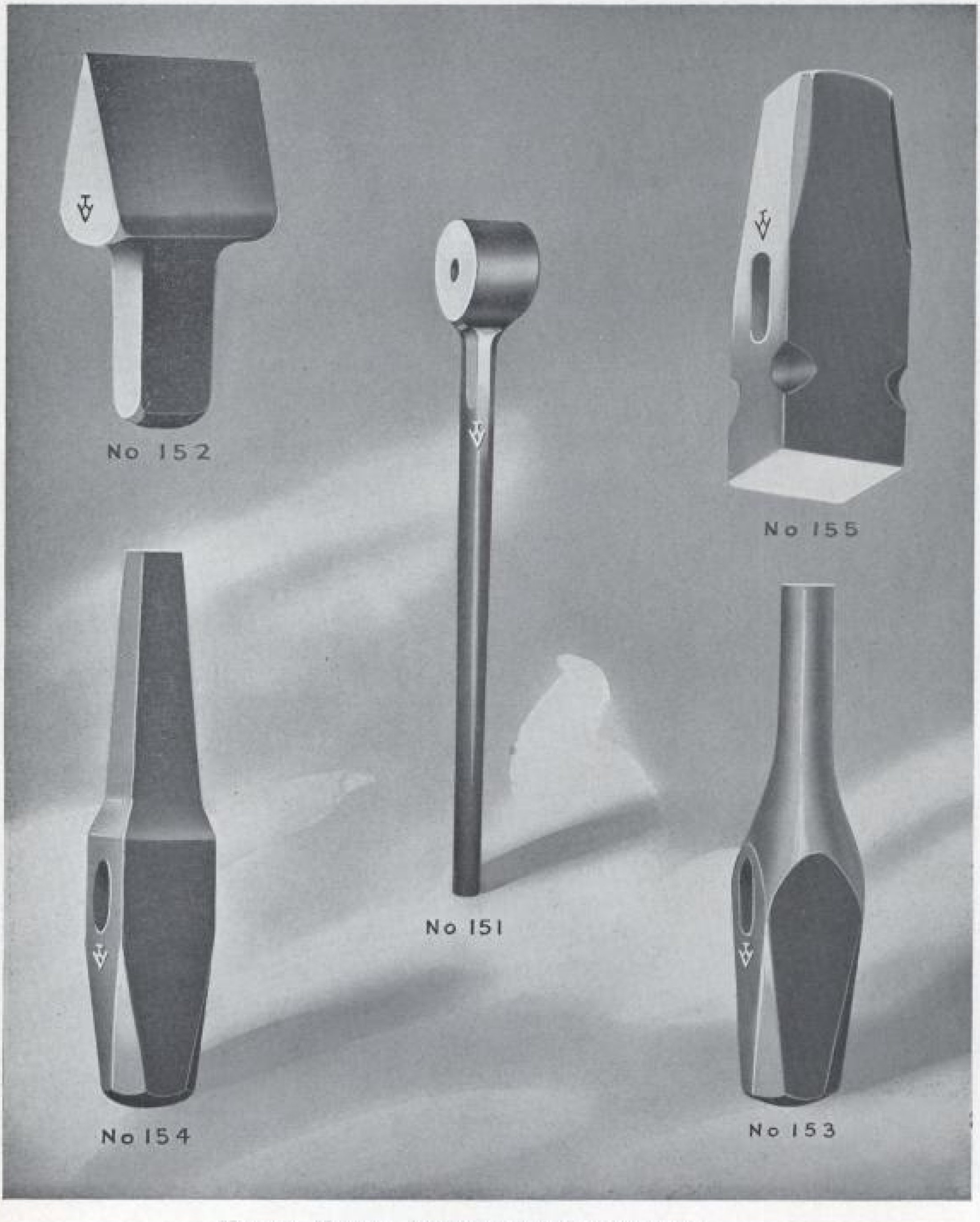


No. 66. Pick Tongs. 24-inch length.
No. 67. Gad Tongs, Flat Jaw. 18, 20 and 24-inch lengths.
No. 68. Straight Lip Tongs. 16, 18, 20, 22 and 24-inch lengths.
No. 121. Sticker Tongs. 18-inch length.
No. 122. Single Pick Up Tongs. 18, 20, 22 and 24-inch lengths.
No. 123. Double Pick Up Tongs. 18, 20, 22 and 24-inch lengths.



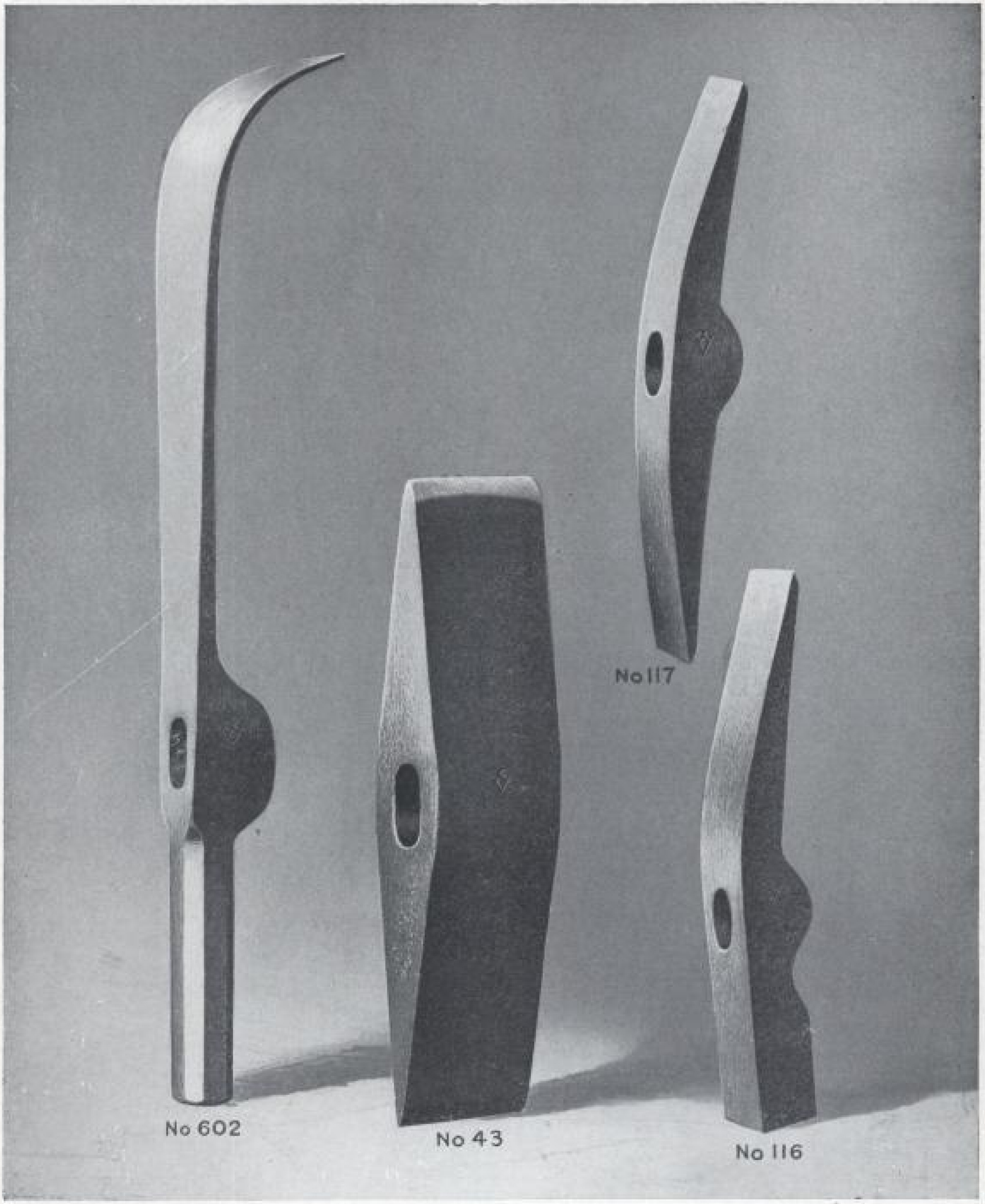
No. 69. Rivet Tongs. 18, 20, 22 and 24-inch lengths.
No. 136. Bolt or Curved Lip Tongs. 18, 20, 22, 24 and 26-inch lengths.
No. 38. Top Fullers. Size of Groove ¼-inch to 2-inch.
No. 39. Bottom Fullers. Size of Groove ¼-inch to 2-inch.
No. 156. Top Swages. Size of Groove ¼-inch to 3-inch.
No. 157. Bottom Swages. Size of Groove ¼-inch to 3-inch.

Other dimension information in price list.



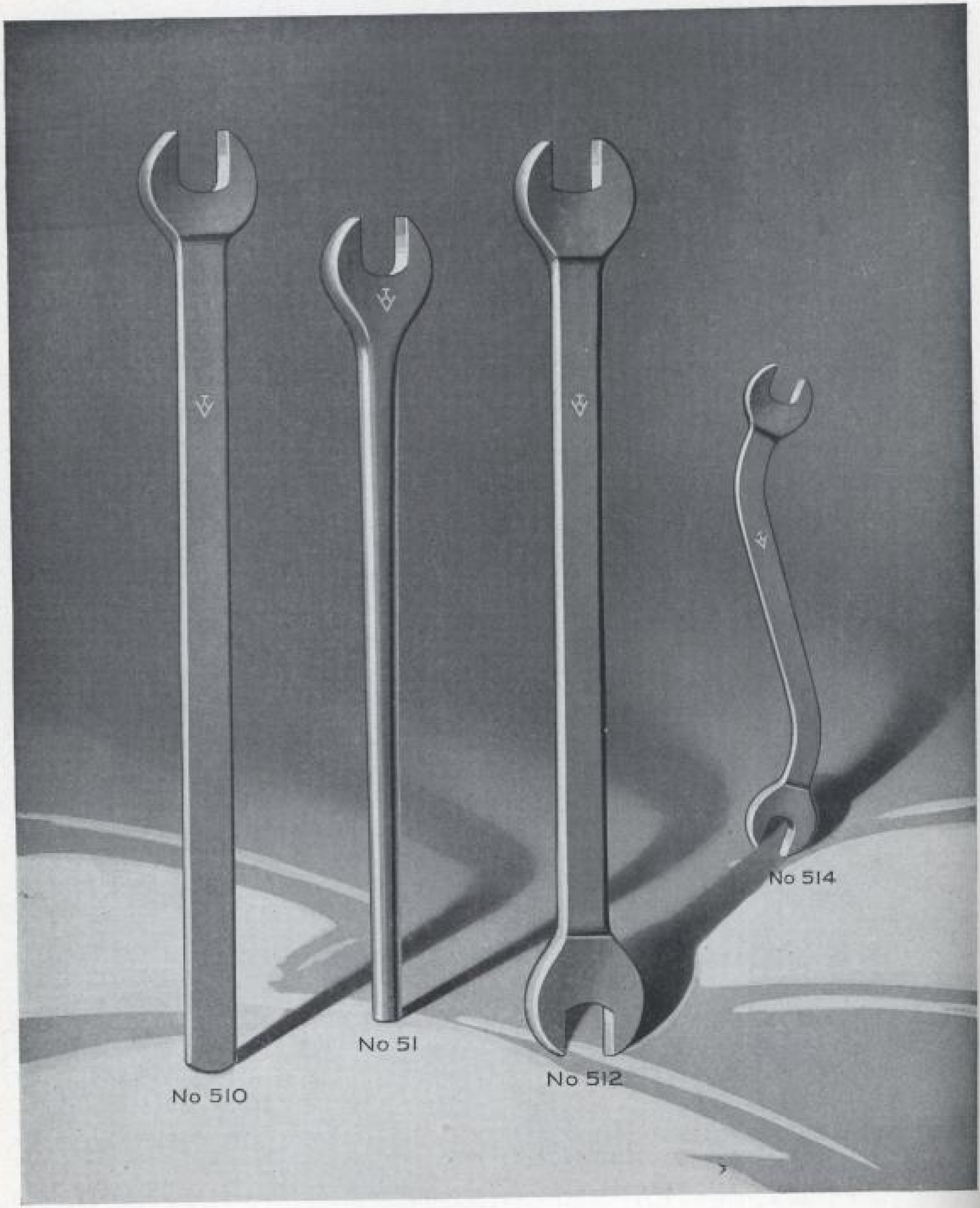
No. 152. Hardies. ½-inch to 1¼-inch square shank.
No. 155. Set Hammers. Weights 1½, 2 and 2¾ pounds.
No. 151. Heading Tool. ¼-inch to 1-inch Hole.
No. 154. Square End Punch. ¼-inch to 1-inch Size Round.
No. 153. Round End Punch. ¼-inch to 1-inch Size Square.

Dimension information in price list.



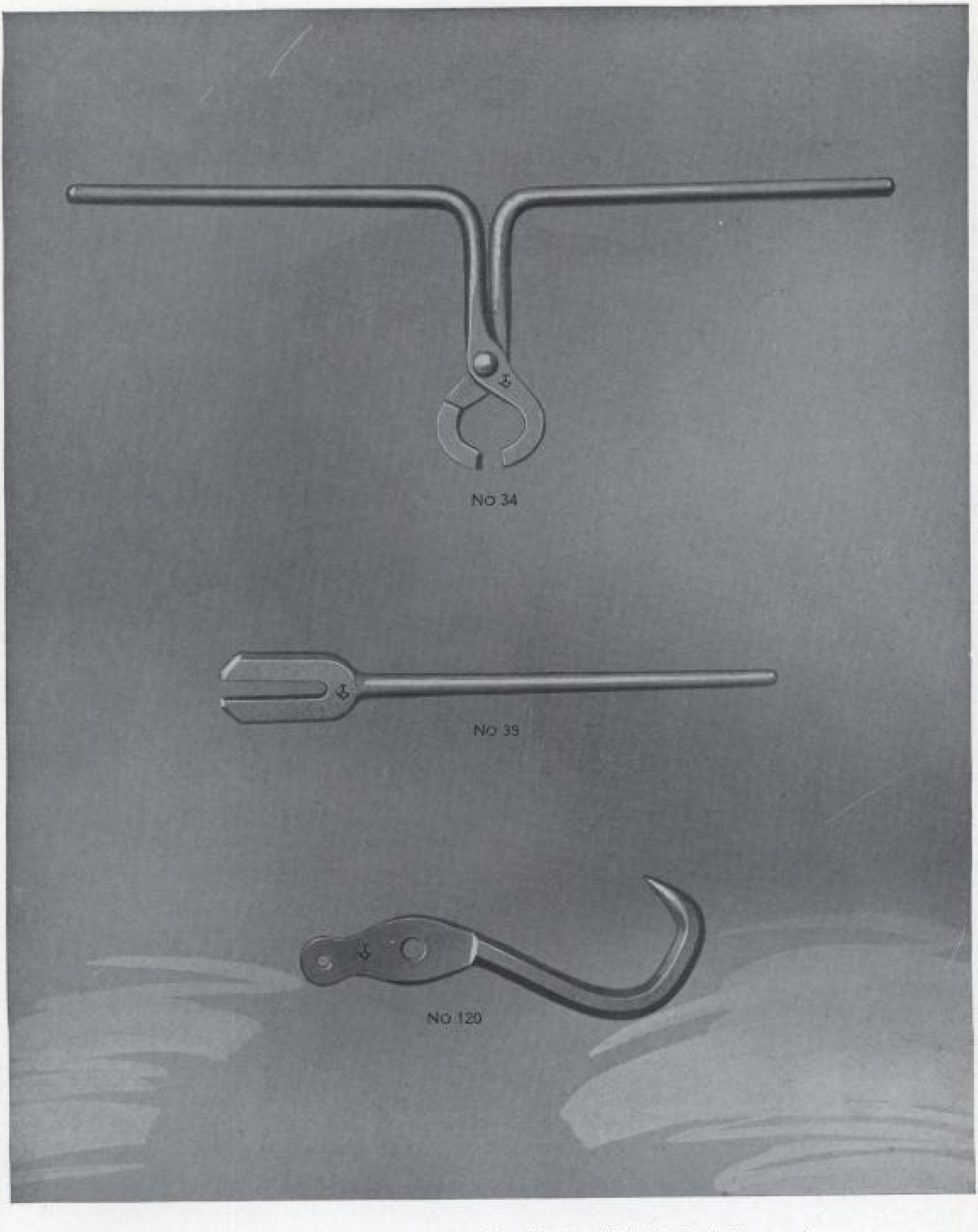
No. 602. Paving Hammer. Weights 3 and 4 pounds.
No. 43. Stone Axe. Double Bit. Weight 4 pounds.
No. 117. Bricklayers' Skutch. Weights 2, 2½ and 3 pounds.
No. 116. Bricklayers' Hammer. Weights 1½, 2 and 3 pounds.

All hammers specially heat treated and tempered

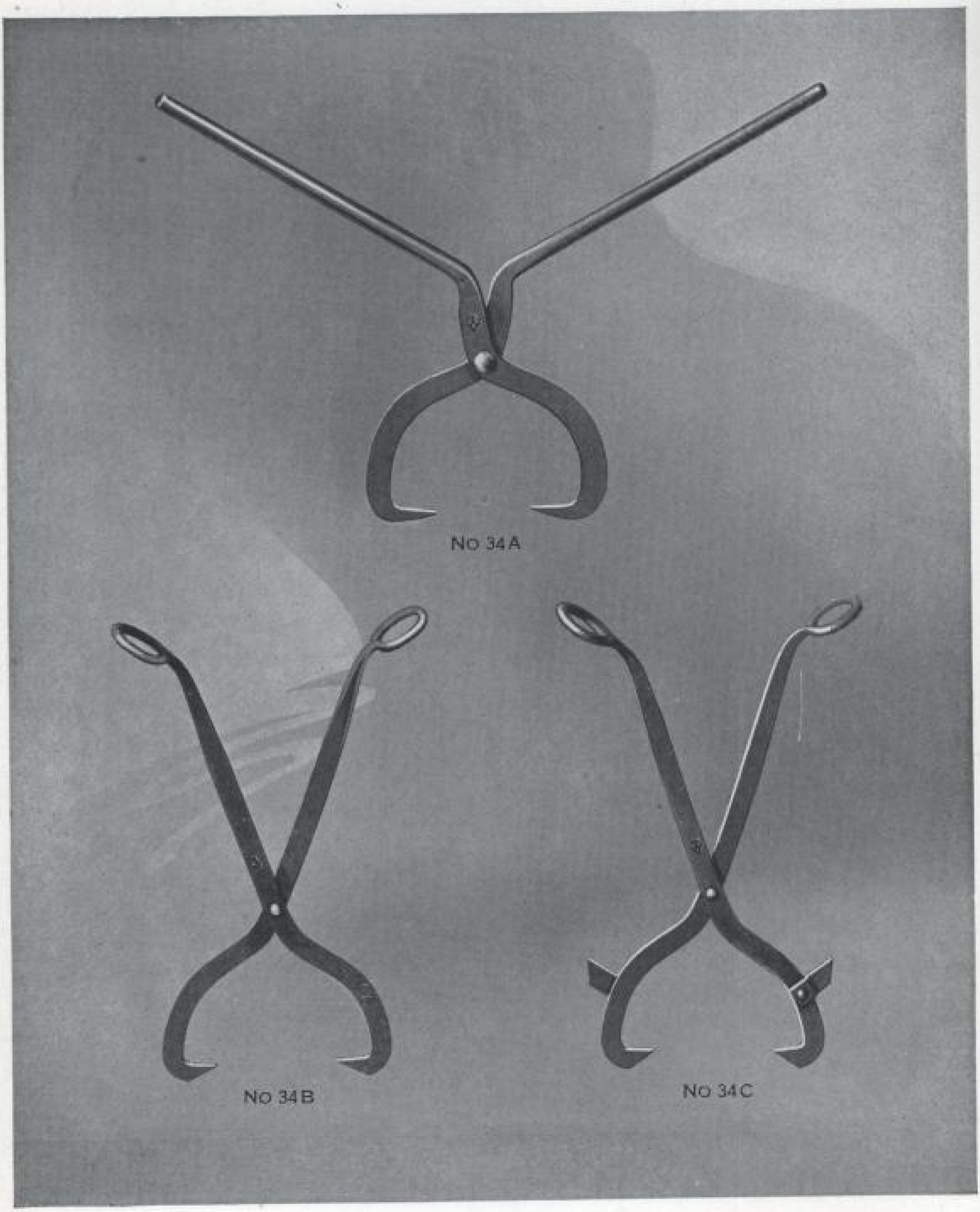


No. 510. Track Wrench. Single end, Flat handle.
No. 51. Track Wrench. Single end, round handle.
No. 512. Track Wrench. Double end, flat handle.
Specify Jaw Opening
No. 514. Car Repair Wrench, "S" Pattern.

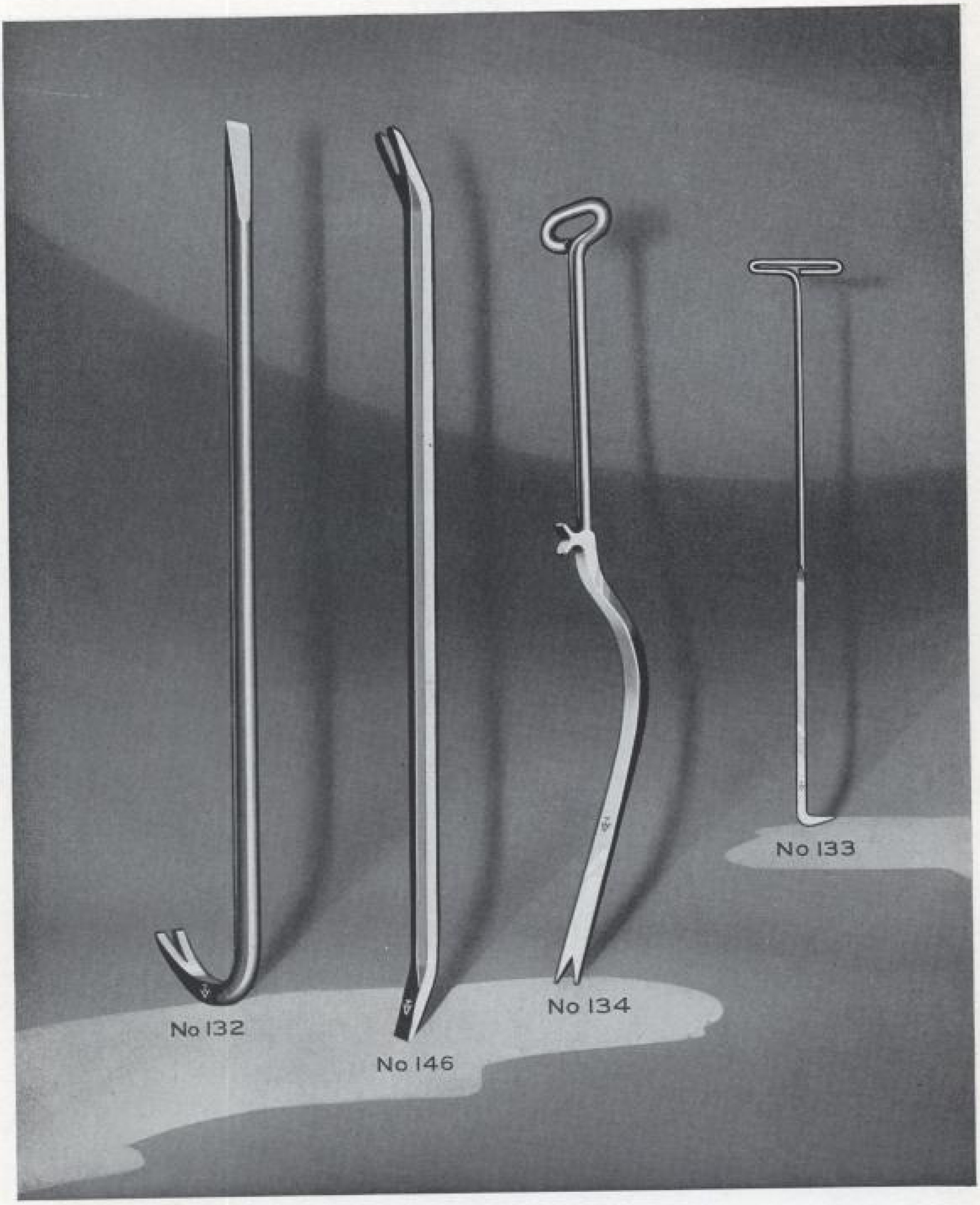
For ⅜ and ½-inch bolts.
For ½ and ⅝-inch bolts.
For ⅝ and ¾-inch bolts.
For ¾ and ⅞-inch bolts.
For ⅞ and 1- inch bolts.
For 1 and 1⅛-inch bolts.
For 1⅛ and 1¼-inch bolts.
For 1¼ and 1⅜-inch bolts.
For 1¼ and 1½-inch bolts.
For 1⅜ and 1½-inch bolts.
For 1½ and 1⅝-inch bolts.
For 1½ and 1¾-inch bolts.



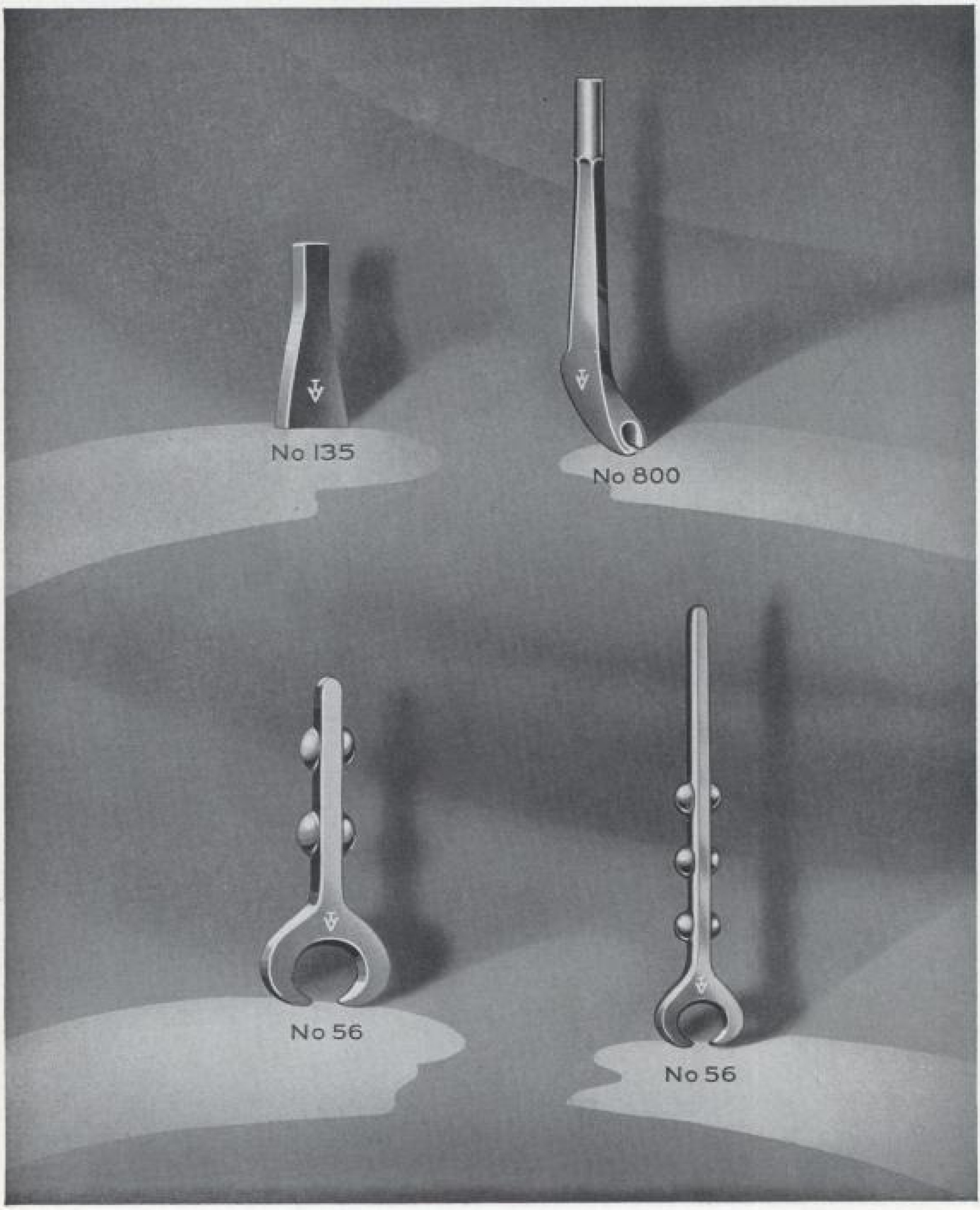
No. 34. Rail Tongs. A. R. E. A. Plan No. 6. Weight about 22 pounds.
No. 35. Rail Fork. A. R. E. A. Plan No. 10. Weight about 13 pounds.
No. 120. Timber Tong or Logging Hook.



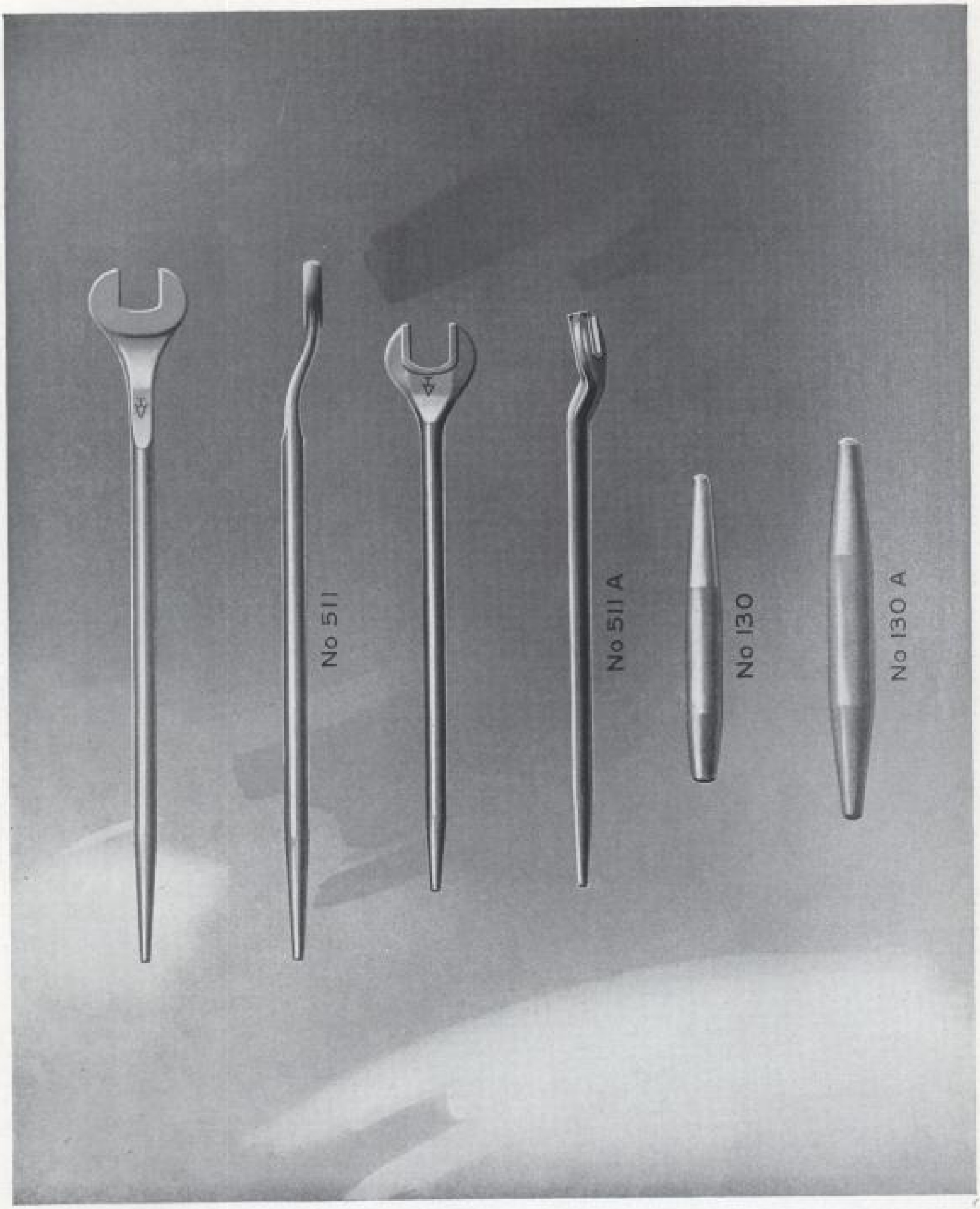
No. 34A. Tie Tongs. A. R. E. A. Plan No. 8. Weight about 17 pounds.
No. 34B. One-man Tie Tongs. A. R. E. A. Plan No. 7. Weight about 8 pounds.
No. 34C. One-man Tie Tongs with Side Lug. (Patented Aug. 31, 1923). Weight about 9 pounds.



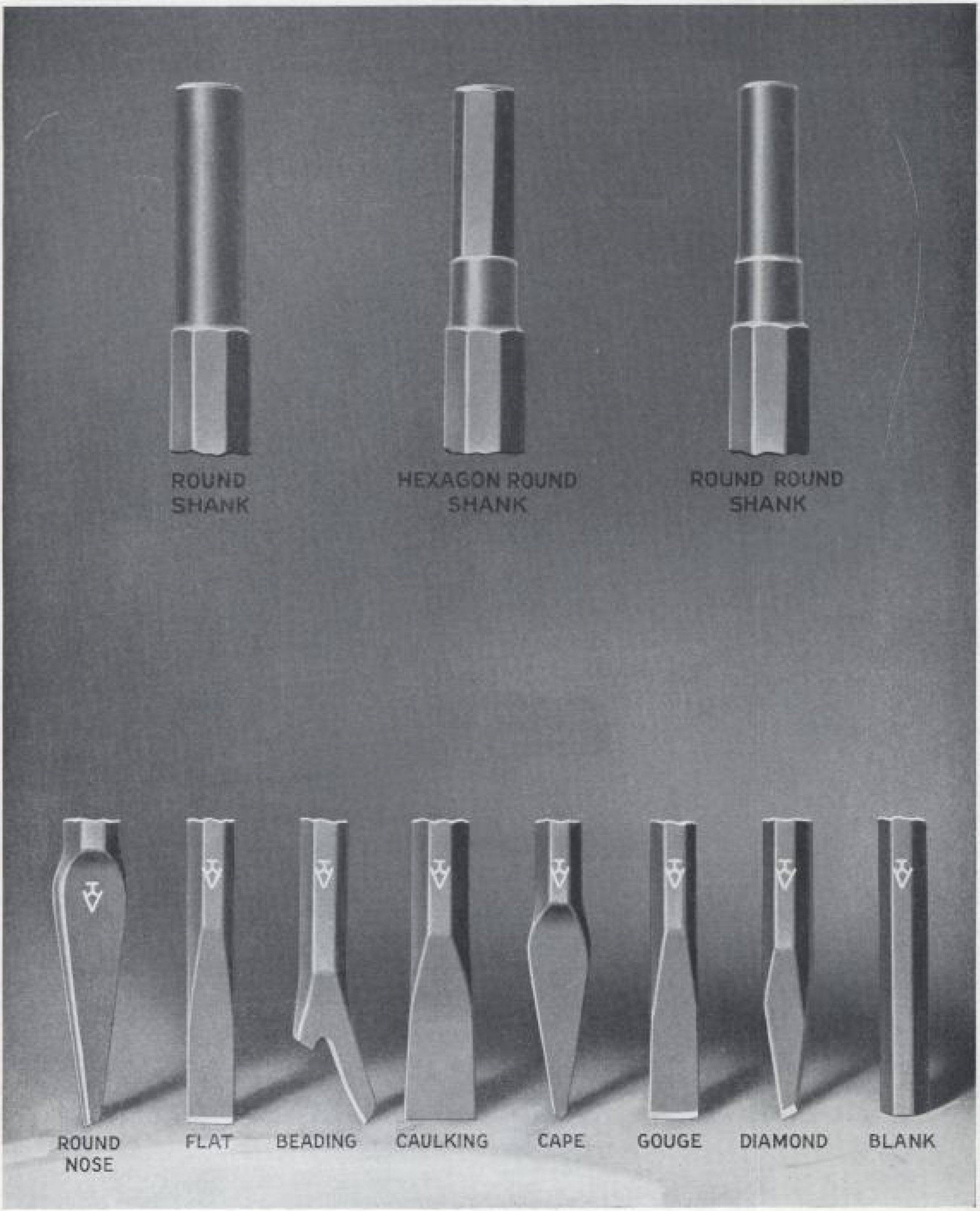
No. 132.	Wrecking Bar.	Made Octagon in sizes ⅝x12, ⅝x18, ¾x24, ¾x30, ¾x36, ⅞x36-inches.
No. 146.	Carpenter Bar.	Made Octagon in sizes ⅝x12, ⅝x18, ¾x24, ¾x30, ¾x36, ⅞x36-inches.
No. 134.	Packing Knife.	A. R. A. standard. For packing and cleaning journal boxes.
No. 133.	Packing Hook.	For packing and cleaning journal boxes.



No. 135. Tamping Pick end to be welded. Weight 2½ pounds.
No. 800. Claw Bar Ends. Any style.
No. 56. 2 Knob Spike Puller. Weight 1½ pounds.
No. 56. 3 Knob Spike Puller. A. R. E. A. Plan No. 9. Weight 2¼ pounds.
No. 56. 4 Knob Spike Puller. A. R. E. A. Plan No. 9. Weight 2½ pounds.

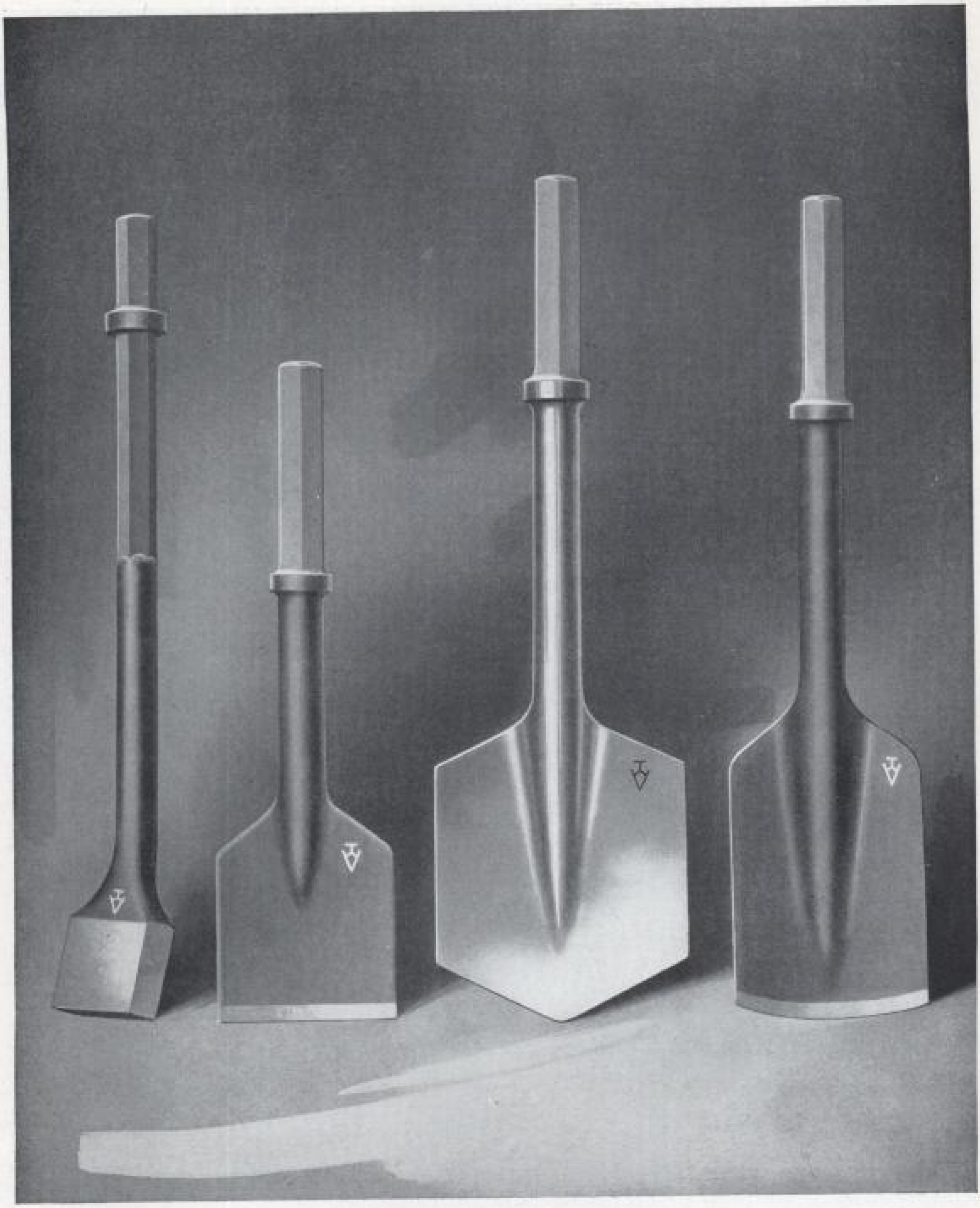


No. 511.	Construction Offset Wrench	Specify Jaw Opening
No. 511A.	Construction Wrench-Rib Jaw-Bevel Head—Light weight.	
No. 130.	Plug or Taper Type Drift Pin.	Any size. Any length.
No. 130A.	Barrell Type Drift Pin.	

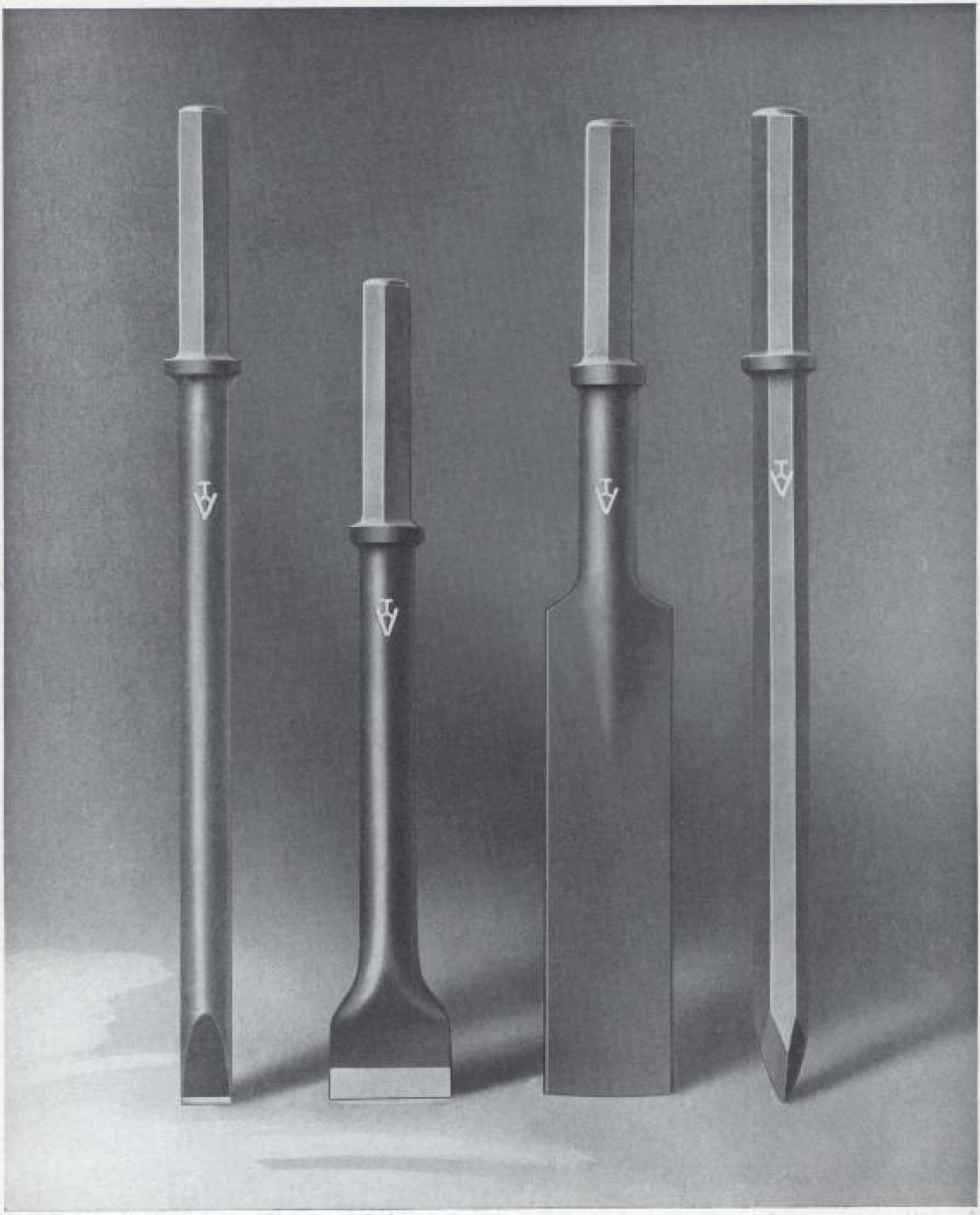


SMALL GUN PNEUMATIC TOOLS

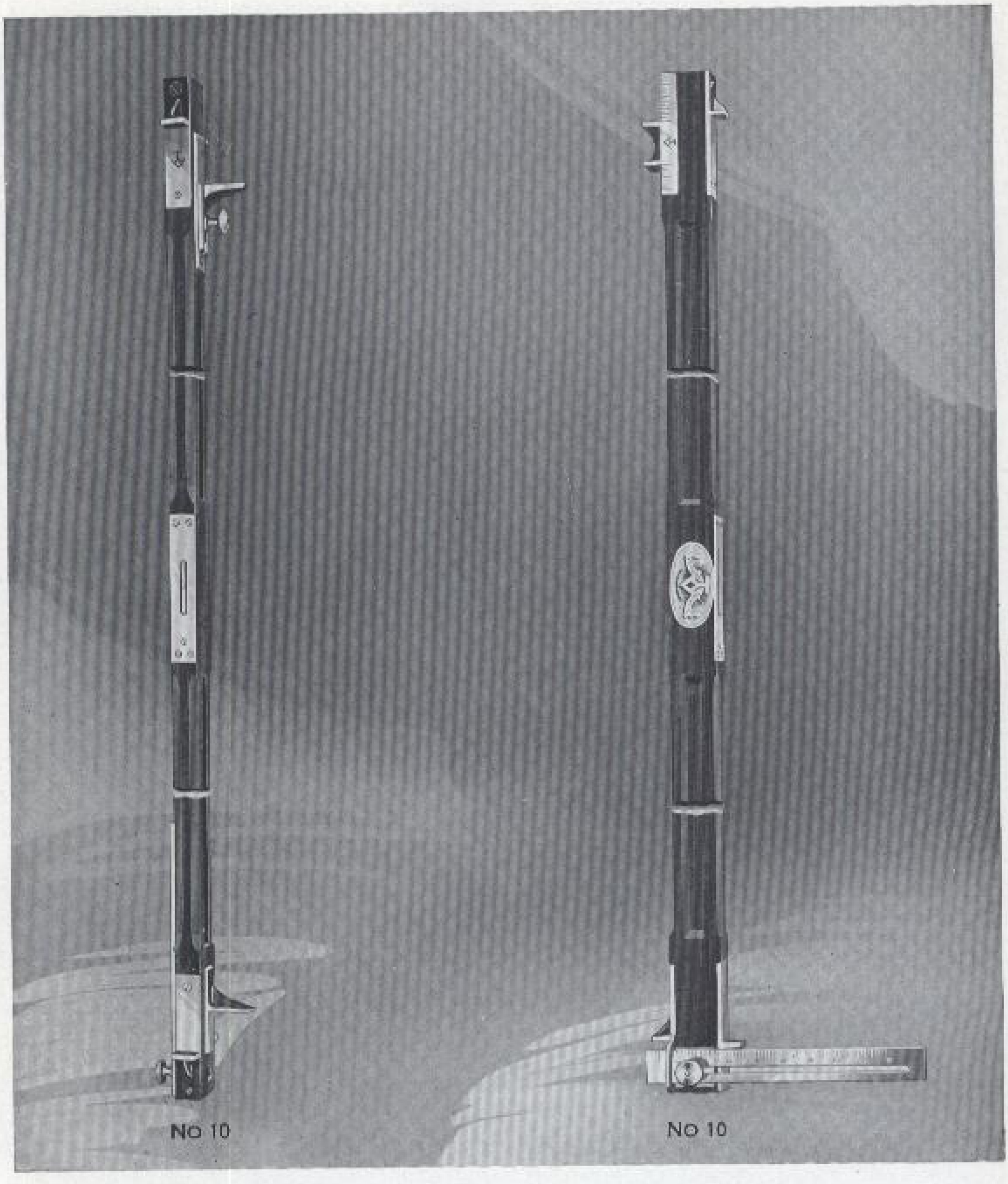
Specify type of shank and length of tool.
Manufactured from high-grade carbon or "VERONALLOY" Steel.



No. P-TT-1.	Pneumatic Tie Tamping Bar—⅞"x2⁹⁄₁₆" Shank.
No. P-AC-1.	Asphalt Cutter 1⅛"x6" Shank.
No. P-AC-2.	Asphalt Cutter 1¼"x6" Shank.
No. P-BS-5.	Breaking Spade—1⅛"x6" Shank.
No. P-BS-6.	Breaking Spade—1¼"x6" Shank.
No. P-S-1.	Clay Spade 1⅛"x6" Shank.
No. P-S-2.	Clay Spade 1¼"x6" Shank.



No. P-CB-5. Narrow Chisel Bit—Width 1⅜"—Length—14"-18"-24"-30"—1⅛"x6" Shank.
No. P-CB-6. Narrow Chisel Bit—Width 1⅜"—Length—14"-18"-24"-30"—1¼"x6" Shank.
No. P-CB-1, Wide Chisel Bit—Width 3"—Length 14"-18"-24"-30"—1⅛"x6" Shank.
No. P-CB-2. Wide Chisel Bit—Width 3"—Length 14"-18"-24"-30"—1¼"x6" Shank.
No. P-DB-1. Digging Blade—Width 3"—1⅛"x6" Shank.
No. P-DB-2. Digging Blade—Width 3"—1¼"x6" Shank.
No. P-M-1. Moil Point—Length 14"-18"-24"-30"—1⅛"x6" Shank.
No. P-M-2. Moil Point—Length 14"-18"-24"-30"—1¼"x6" Shank.



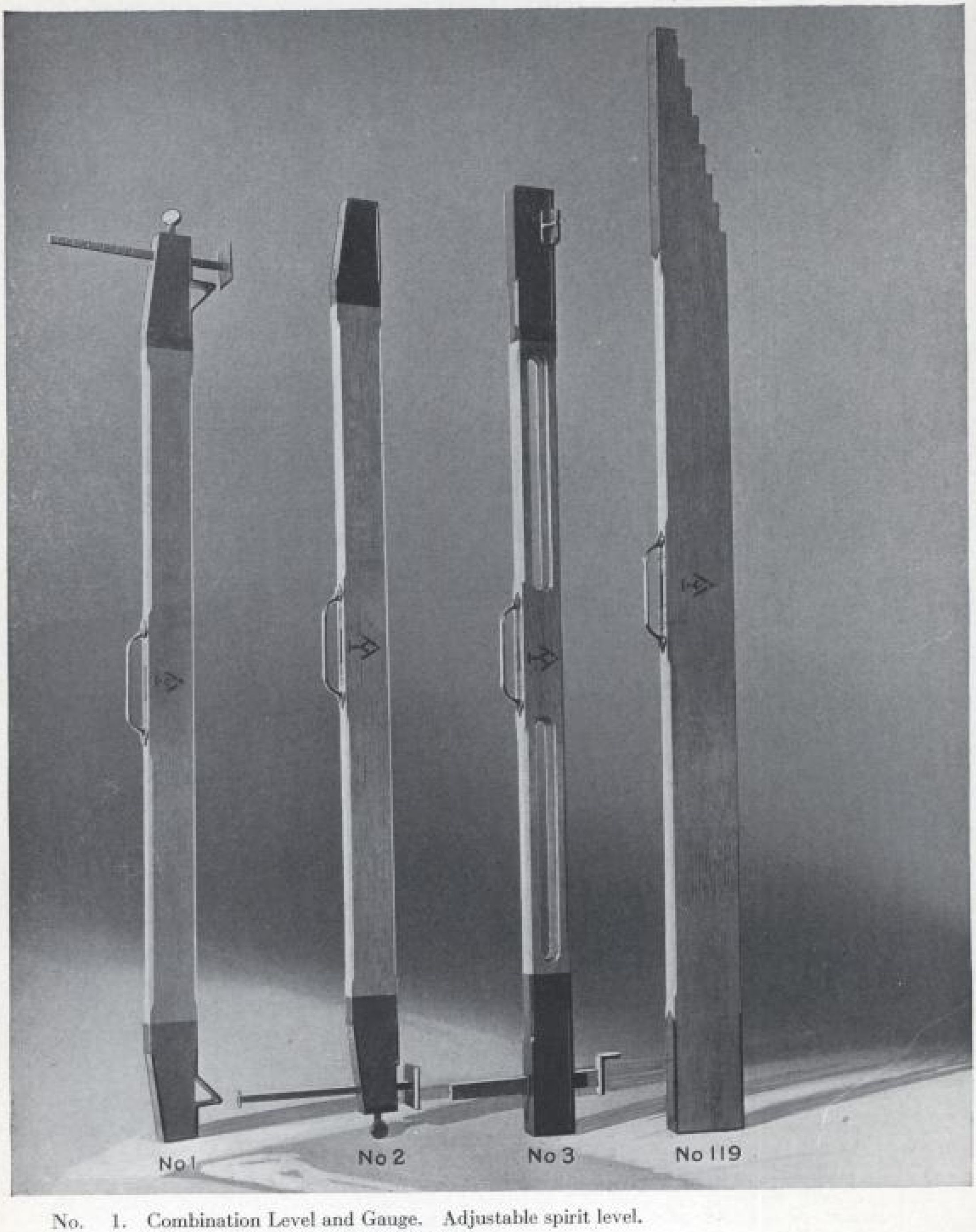
No. 10—Inspectors' level and gauge. (Patented Dec. 6, 1921; Nov. 16, 1926)

The most useful and complete instrument ever offered to maintenance of way officials for inspection purposes. It combines all of the needs of track inspection in one instrument.

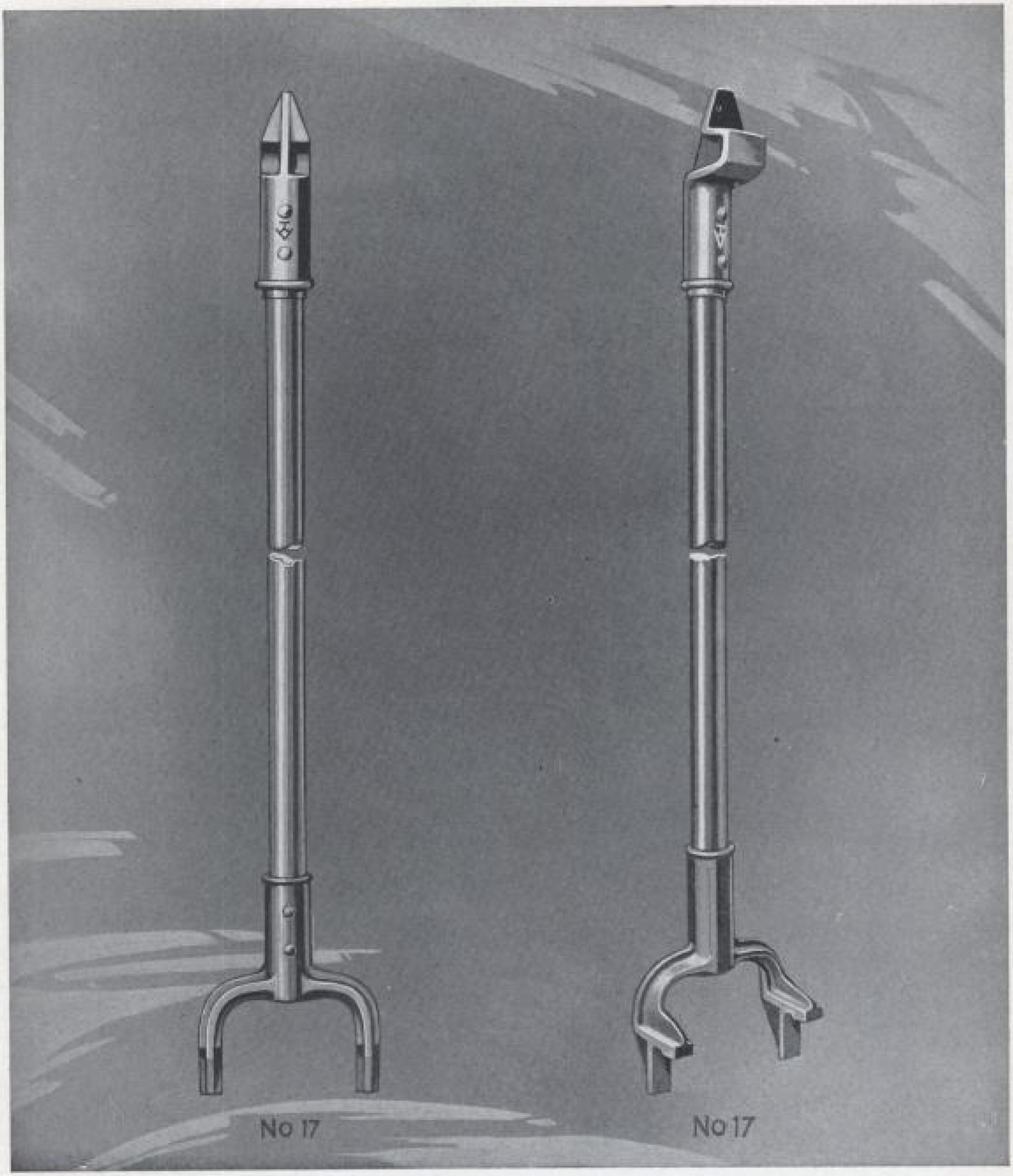
1. Track Level.
2. Track gauge with guard rail lug.
3. Master gauge for testing other gauges.
4. Elevation scale.
5. Wheel gauge for measuring back to back of wheels.

Furnished in oak or redwood finish as desired. All metal parts are solid brass, nickel plated.

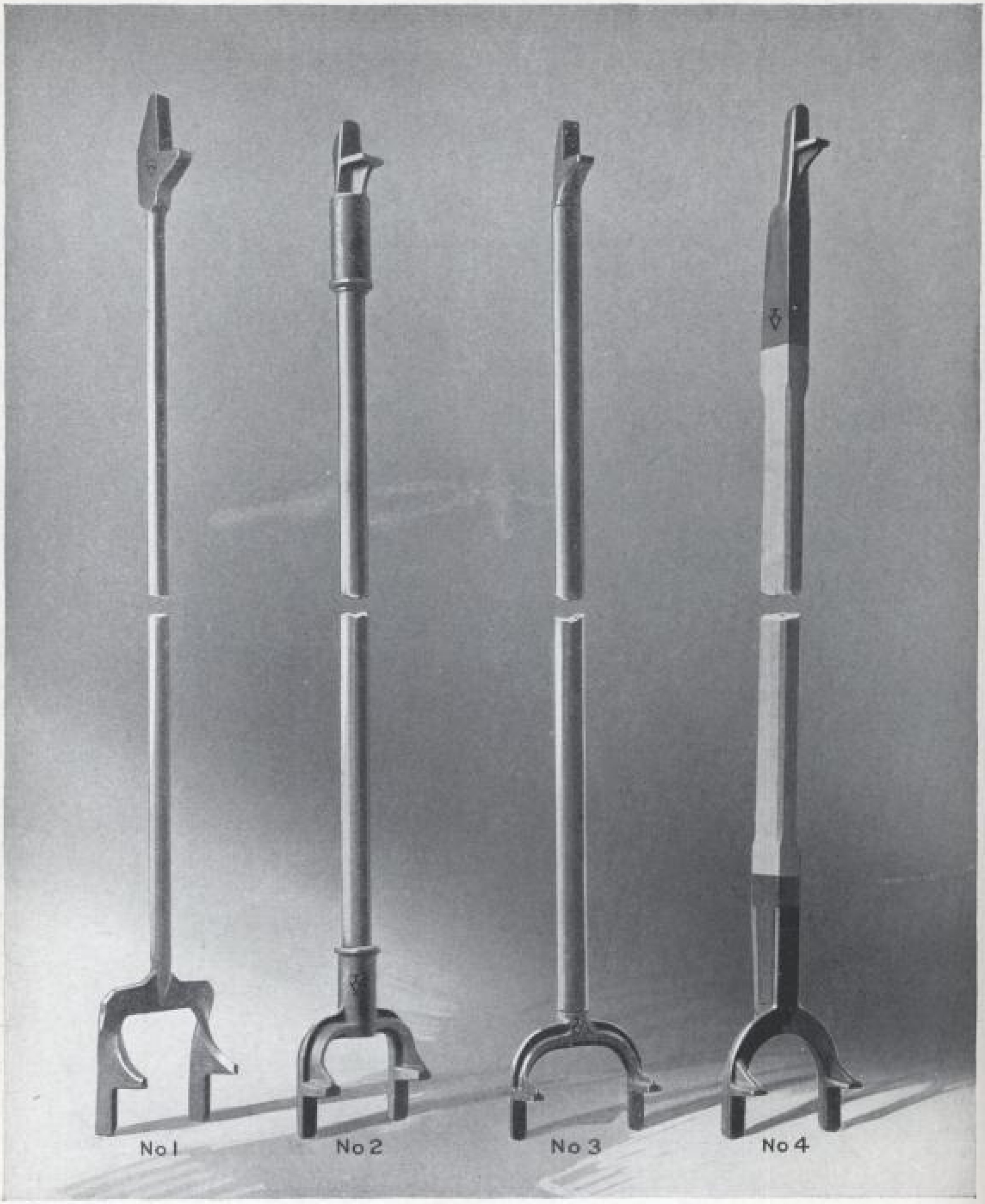
Weight only 5 pounds. Light, compact and convenient.



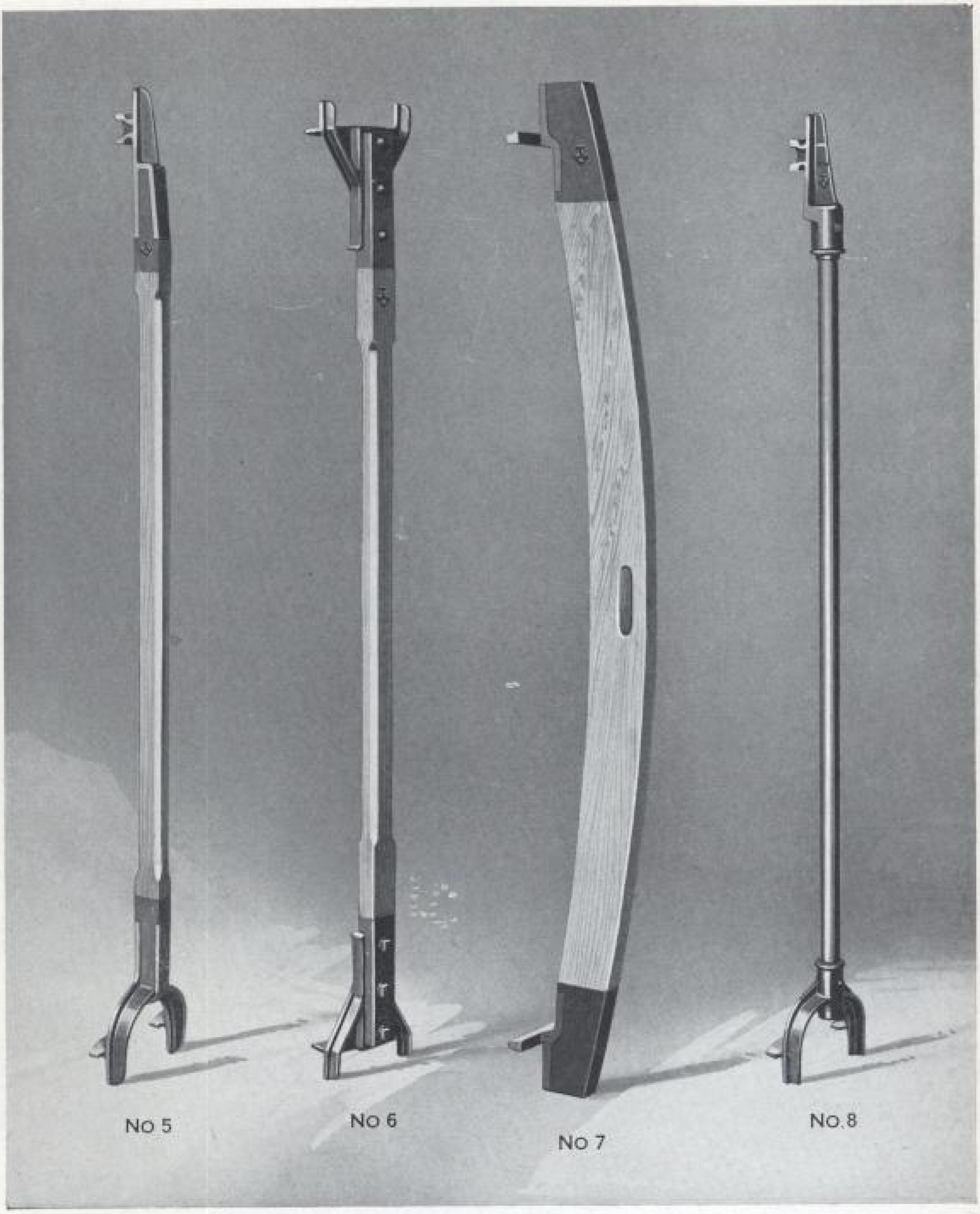
No. 1. Combination Level and Gauge. Adjustable spirit level.
No. 2. Track Level. Adjustable spirit level.
No. 3. Track Level. Adjustable spirit level.
Above made from selected California sugar pine.
No. 119. Step Level Board. Adjustable spirit level. Made from California redwood or California sugar pine.



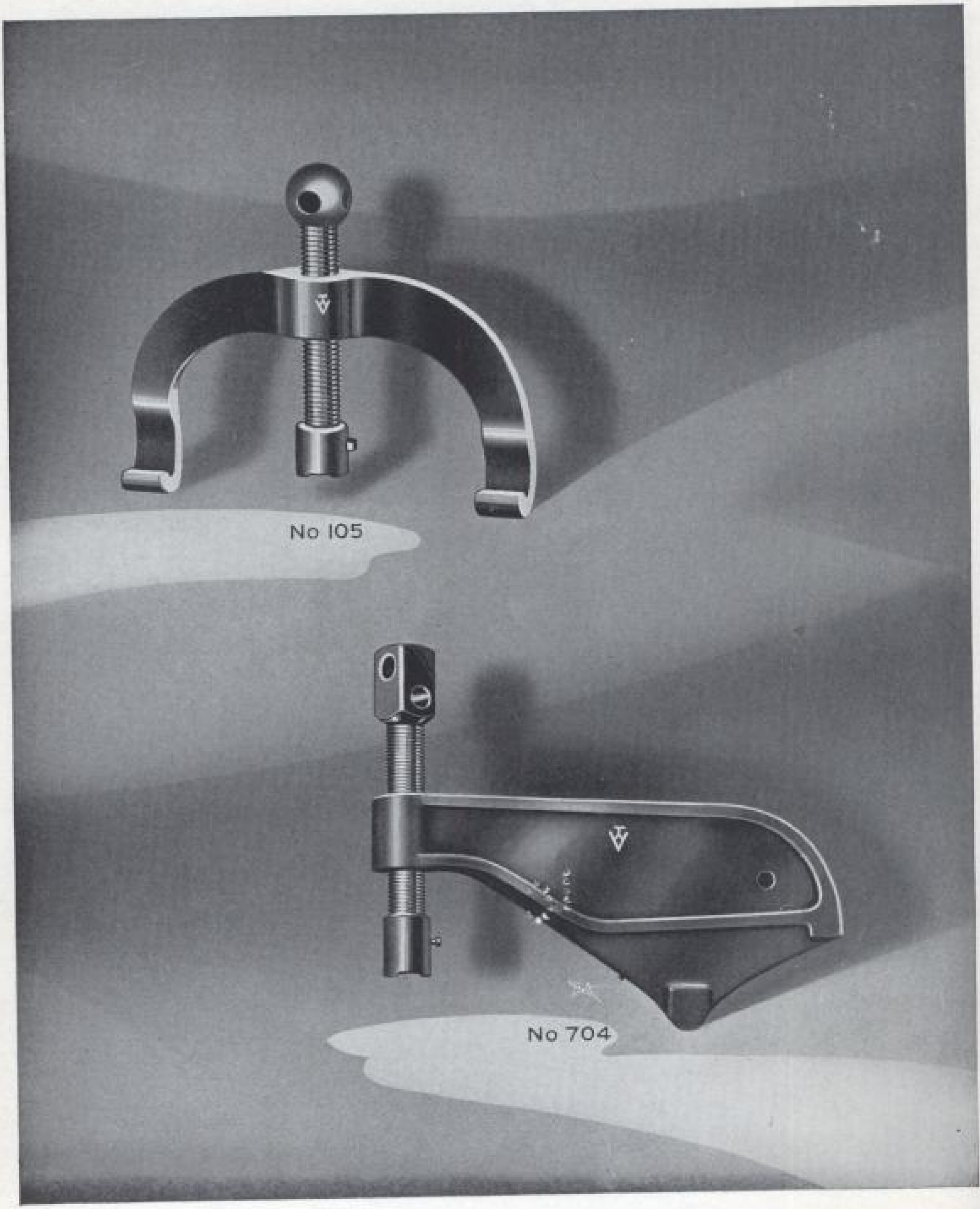
No. 17. Track Gauge. Latest approved design A. R. E. A. Plan No. 20. Sturdy, durable, insulated. Extra heavy pipe. All wearing parts are of steel. Recessed to gauge over burred rails. Weight approximately 17 pounds.



No. 1. Solid Steel Gauge.
No. 2. Insulated (with Fibre Bushing) Pipe Center Gauge.
No. 3. Pipe Center Gauge (non-insulated).
No. 4. Wood Center Gauge (Oak).

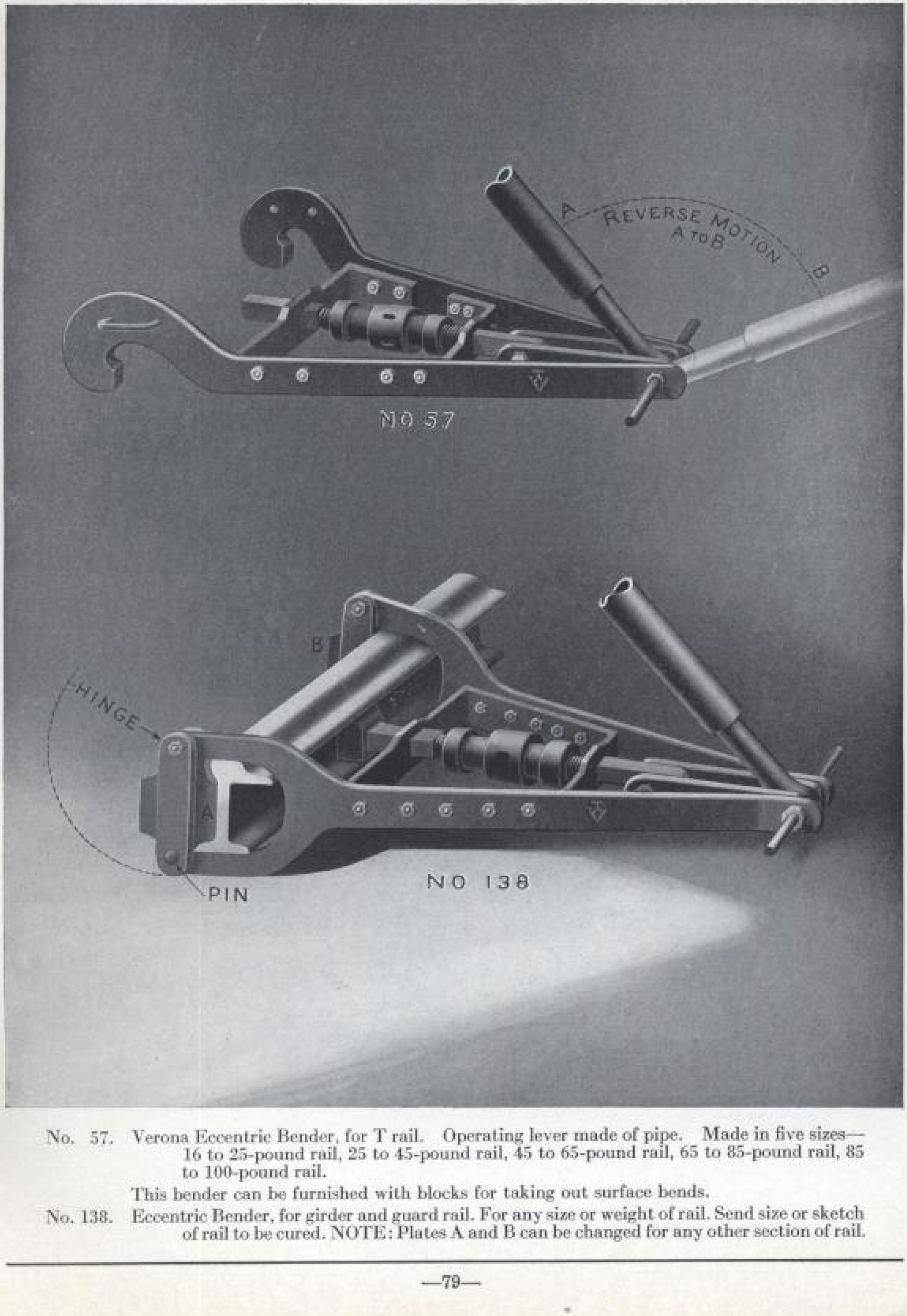


No. 5. Gauge with Guard Rail Lug. Wood center (Oak).
No. 6. Radius Gauge, wood center (Oak).
No. 7. Street Railway Gauge (Oak).
No. 8. Insulated Pipe Center Gauge with Guard Rail Lug.



No. 105. Jim Crow Bender. Made in six sizes: No. 0 for bending up to 16-pound rail; No. 1 for bending 16 to 25-pound rail; No. 2 for bending 25 to 45-pound rail; No. 3 for bending 45 to 65-pound rail; No. 4 for bending 65 to 85-pound rail; No. 5 for bending 85 to 100-pound rail.

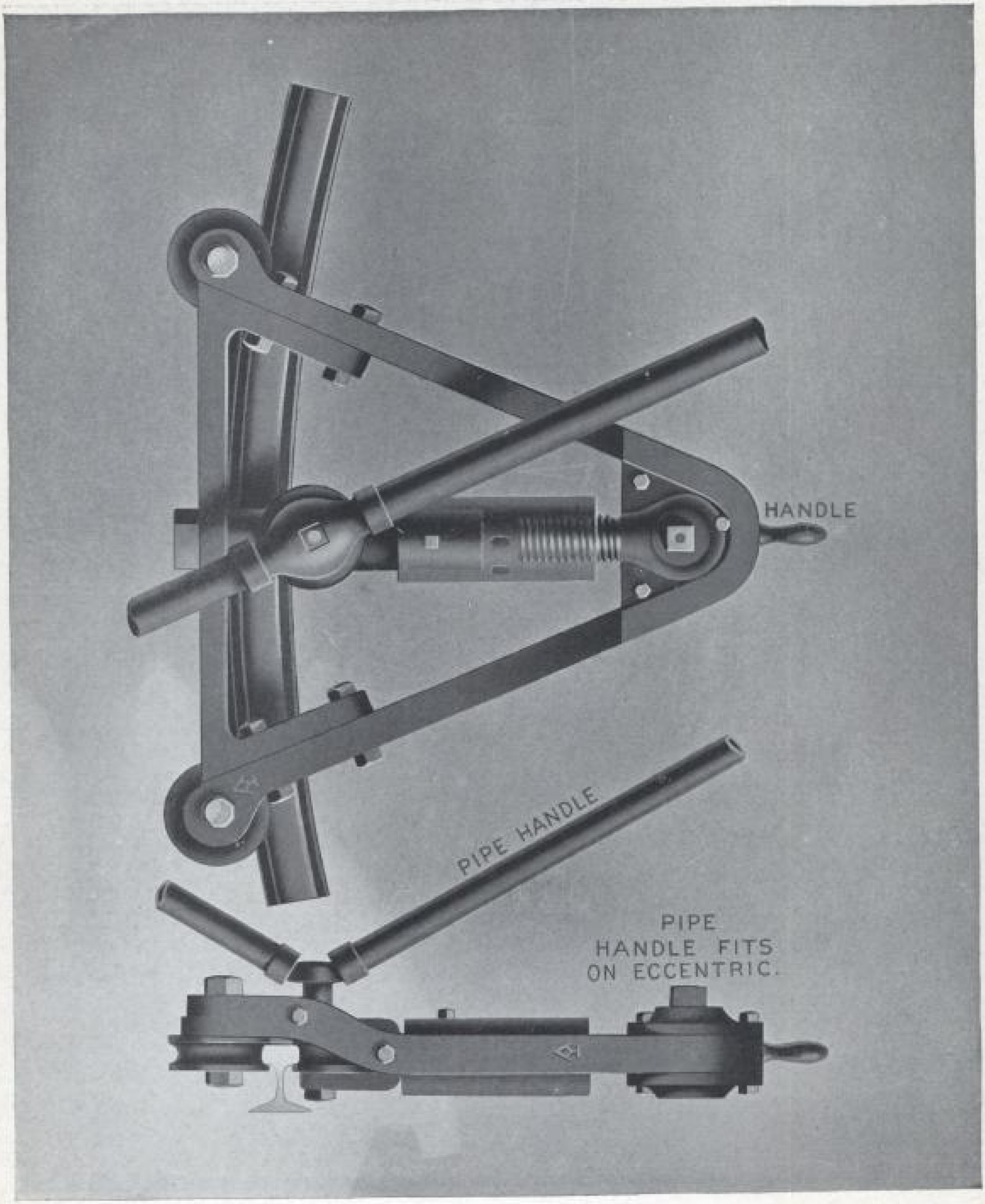
No. 704. Samson Style Bender. Made in three sizes. For bending rail up to 85-pounds, 85 to 100 pounds, 100 to 130 pounds.



No. 57. Verona Eccentric Bender, for T rail. Operating lever made of pipe. Made in five sizes—16 to 25-pound rail, 25 to 45-pound rail, 45 to 65-pound rail, 65 to 85-pound rail, 85 to 100-pound rail.

This bender can be furnished with blocks for taking out surface bends.

No. 138. Eccentric Bender, for girder and guard rail. For any size or weight of rail. Send size or sketch of rail to be cured. NOTE: Plates A and B can be changed for any other section of rail.



No. 139. Eccentric Roller Rail Bender and Curver. Made in three sizes: 45, 65, 85, 100 and 130-pound rail.